

COMPLIANCE EVALUATION INSPECTION REPORT

Vandenberg Air Force Base
California, 93437-5000

EPA ID # CA9570025149

Inspected By: Larry Stuck
Date of Inspection: October 24, 25, 26, 1990
Report By: Larry Stuck
Date of Report: January 8, 1991

I. Purpose:

To conduct a Compliance Evaluation Inspection (CEI) and pre-permit visit of Vandenberg Air Force Base.

II. Representatives Present:

Vandenberg Air Force Base (VAFB):

- * Daryl G. Atwood, Colonel, Director of Environmental Management
- * Joedale T. Reesing, Colonel, Deputy Director of Environmental Management
- * Charles F. Barlow, Colonel, Chief of Environmental Compliance Division
- * John Sypos, Lieutenant Colonel
- * Stubblebine, Attorney
- William Kolakowski, Captain
- Mike Griffin, 2nd Lieutenant
- Glenn Williams, Master Sergeant

* Present only at opening and closing statement meetings.

Department of Health Services / Toxic Substances Control Program
(Department):

- * ** 1. Scott Simpson, Chief
- 2. Paul Baranich, Senior Hazardous Materials Specialist
- 3. Richard Jones, Associate Hazardous Materials Specialist
- 4. Will Wright, Associate Hazardous Materials Specialist
- 5. Larry Stuck, Hazardous Materials Specialist
- 6. Javier Hinojosa, Hazardous Materials Specialist

* This inspection was conducted by one group of Department inspectors who remained together throughout the inspection. The inspectors will therefore be referred to as the Inspection Team.

** Scott Simpson was present only on October 24, 1990.

III. Owner/Operator:

This facility is legally owned by the Department of the Air Force and is operated by the Defense Logistics Agency.

IV. Background:

December 18, 1981 - The Department issued an Interim Status Document (ISD) to VAFB.

- April 25, 1985 - Department inspector, Maxine Richey performed a record review at VAFB to determine compliance.
- August 15, 1985 - Department inspector, Maxine Richey performed a "walk through" inspection of VAFB.
- June 5, 1986 - Department permit writer, Carmelita Lampino performed a "pre-permit" inspection of VAFB.
- June 25, 1986 - Jacobs Engineering Group Inc. conducted a Compliance Evaluation Inspection under contract with the Environmental Protection Agency (EPA).
- July 24, 1986 - The Department issued a State Hazardous Waste Facility Permit to VAFB.
- May 26, 1988 - Jacobs Engineering Group Inc. conducted a Compliance Evaluation Inspection under contract with the EPA.

V. General Description of Facility:

VAFB is located along 35 miles of Santa Barbara County coast, approximately 55 miles northwest of Santa Barabara. VAFB is currently the third largest USAF installation, covering more than 98,400 acres or 154 square miles. The base is bordered by the Pacific Ocean to the west and south, by Casmalia Hills to the north and six miles to the east is the city of Lompoc.

VAFB hosts more than 40 Department of Defense (DOD) and non-DOD government organizations and 75 civilian aerospace contractors, employing a total of over 22,300 people.

The base was first established in 1941 as a training center for armored and infantry divisions of the army and was designated Camp Cooke. In June 1957, Camp Cooke was transferred to United States Air Force (USAF) to become USAF's first missile base. In 1958, the base was redesignated VAFB. In December 1958, VAFB launched its first missile and has launched more than 1,638 missiles and space boosters to date. VAFB's primary mission is to conduct SAC missile combat crew training, operational testing and other intercontinental ballistic missile and space-related programs.

VI. Hazardous Waste Activity:

VAFB stores hazardous waste in a secure storage building which is covered by an ISD. This storage building has a maximum capacity of eight hundred and thirty-two 55 gallon drums. VAFB also temporarily stores hazardous waste up to 90 days in 18 collection accumulation points (CAPs). All wastes from the CAPs are sent to the ISD storage area prior to shipping to a permitted treatment or disposal facility. VAFB generates and stores annually

approximately 32,000 pounds (lbs.) of spent halogenated solvents, 10,000 lbs. of spent non-halogenated solvents, 1,200 lbs. of spent cyanide, 2,000 lbs. of cadmium, 20,000 lbs. of corrosive wastes, 3,000 lbs. of pesticides, 15,000 lbs. of polychlorinated biphenyl (PCB), 1,000 lbs. of chromium, 500 lbs. of arsenic wastes, 500 lbs. of lead, 200 lbs. of silver, and 3,000 lbs. of water reactive wastes according to Attachment A of VAFB's 1986 Hazardous Waste Facility Permit issued by the Department. These wastes are generated as a result of missile maintenance and operations, lubricating oil change, film processing, paint stripping, cleaning, and metal finishing and plating operations.

VII. Observations:

On October 24, 1990 at 0745 hours, the Department inspection team arrived at the main gate of facility. The inspection team met with Captain Kolakowski, signed-in and was escorted to the base's Environmental Management building. The inspection team held an opening meeting with VAFB's Environmental Management officers and discussed the purpose of the visit and what the team needed to see. Colonel Atwood identified several points of generation, treatment and storage of hazardous waste. Atwood also showed a film on VAFB's environmental management practices. Additionally, a slide presentation on the structure of VAFB's Environmental Management program was given by Captain Ken Judd. Attwood stated that approximately 85% of hazardous wastes come from contractors on the base and it is disposed under VAFB's EPA # CA9570025149. VAFB spent approximately \$1.3 million last year to dispose of hazardous wastes, however, due to the implementation of waste reduction practices the amount of waste to be sent off has been cut by roughly 49% this year. Attwood discussed the flow of hazardous wastes from the point of generation to a CAP and later to the ISD storage area. DRMO then contracts haulers and hazardous waste treatment or disposal facilities to accept the wastes.

The inspection team was next escorted by Captain Kolakowski, Master Sergeant Williams and Lieutenant Griffin to the 1369 Audiovisual Squadron (AVS) Photo Processing Laboratory. We met with Don Thiede, civilian, who lead the team through this facility. One mixing tank is included in the Part A application as a hazardous waste treatment unit though Thiede stated the contents are not hazardous according to the manufacturer of the chemicals (Kodak). The tank was included in the Part A for protection in case concentrations reached hazardous levels or contaminants are introduced since the actual composition of each batch may vary. The inspection team recommended that VAFB characterize this waste by analysis to determine if it is actually hazardous and manage the waste accordingly.

In the film editing room, we found an open 55 gallon drum containing scraps of exposed film. Thiede stated that the film is sent off to be burned so that silver can be recovered from the ash. These film scraps are not managed as hazardous waste.

The team requested access to the silver recovery room. We were informed that the room was locked since the person in charge was absent. We informed VAFB that the room should be accessible at all times in case of an emergency and should be available for inspection. VAFB responded that the room must remain secure due to the presence of precious metal, silver. They added that the police and fire department have master keys for access. We decided to return to this room later in the inspection.

The inspection team was next escorted to a yard outside of Building 543 where two solvent recycling units and a CAP are located. These solvent distilling machines are considered transportable treatment units (TTU), however, are no longer in use. The recycled solvents were reused at VAFB. Simpson looked through the contents of a trash can located outside of a storage trailer along the east fence and found approximately 30 used hazardous waste labels and two one quart bottles containing motor oil residuals (see photos # 1 and 2). Twenty labels were collected as evidence. Handling the hazardous waste and waste labels at this site was the responsibility of a contractor by the name of Sturns & Rogers Corp. (S&R) which has been at the site for 27 years. S&R provided a log book and attempted to track the labels. S&R claimed that the labels were probably either completed incorrectly at the time of generation and replaced by new labels, prior to sending the wastes offsite or removed from empty drums after the contents were consolidated into other drums. S&R stated the labels were probably stored in someone's desk; most of them were dated in 1989, and since S&R is leaving the site due to their terminated contract, the labels were thrown in the trash. Brown & Root Services Corporation under-bid S&R for the new contract and will be taking over this area. Williams, of VAFB, later tracked down all of the manifests for the waste and showed that the waste had been received by TSD facilities. The rest of the yard was inspected and no violations were found.

The next stop on our inspection was the SLC-6 wastewater treatment area. Here, a water tower drains one million gallons of water in 9 seconds to deluge rocket engines for sound suppression. This water becomes contaminated with rocket fuel and is drained into two large evaporation ponds (see photo 4). The northern pond had been dried out and sludge had been removed from the bottom. The sludge from this pond had been dumped into eighty-nine 55-gallon drums which were then labeled as hazardous waste (see photo 3). The shipping name on the labels was Hazardous Substance Solid NOS (chromium, nickel). VAFB stated the wastewater that goes into the ponds is not a RCRA waste. The sludge however is a RCRA waste. Therefore, these ponds may be considered a hazardous waste disposal unit. VAFB let this pond dry completely allowing the sludge residues to possibly be dispersed by wind. The team informed VAFB that the pond should remain wet or should be scrubbed clean if not in use. The southern pond was in use, having water in it. The inspection logs for the ponds were incomplete as there was no record of freeboard levels. An ultraviolet/ozone wastewater treatment plant has been built to treat the water prior to discharge into the evaporation ponds. This plant is not yet in operation but is included in VAFB's Part B application.

We next inspected the CAP (storage area V-23) at SLC-6. This area was full to capacity according to the extension given for this site. A 30 day extension for the drums of hazardous waste stored here was given by the Department due to a defaulted contract with the Defense Reutilization and Marketing Office (DRMO) to remove the waste. Hinojosa discovered 10 drums, serial # 666 - 675, not covered by the variance which were stored over 90 days (see photos 4 & 5). I examined the eye wash and safety shower and found them to be inoperable. VAFB stated that a work order has been submitted to get them fixed and that they have a portable eye wash and shower as a backup.

The inspection team next inspected the hypergolic supply storage facility (HSSF). The contractors at HSSF first gave the team a safety briefing prior to leading us to the yard. There are six 25,000 gallon Arazine storage tanks and at the time of the inspection there was 60,000 gallons of Arazine on site. The Arazine is made up of 50% neat hydrazine and 50% unsymmetrical dimethyl hydrazine (UDMH). Arazine is used as rocket fuel and is ignited by mixing with an oxidizer, nitrogen tetroxide, which is stored at another location. The contractor stated that waste is sometimes generated during the transfer of arazine from tanker trucks to the storage tanks. He stated that drip pans are always used to contain leaks. This material is then diluted with water poured into a drum and disposed as hazardous waste. Dilution with water to make a substance less hazardous is considered treatment. At the time of the inspection, there was a tanker truck which had just finished transferring a load of arazine. Next to the truck was a 55 gallon poly drum full of water which had a hazardous waste label on it. The label was blank except for the words "awaiting analysis" on it. The contractor stated that the drum contained a small amount of arazine which dripped during transfer and was diluted with water. A sample had been taken from this drum for characterization. The contractor stated that he was waiting for the results before he filled out the label. He further stated that this was according to EPA guidelines for wastes awaiting to be characterized by analysis. The inspection team informed him that the label should be filled out as completely as possible when the label is attached according to California regulations.

The arazine transfer hoses and pipes are purged with hot nitrogen gas. Any fugitive vapors are run through an incinerator. This incineration may be considered treatment of a hazardous waste. The incinerator has been used since 1983. VAFB does not have a Air Pollution Control Permit for this incinerator, though it may be required. VAFB is installing an air scrubber system to take the place of this incinerator in the near future. The air scrubber is included in the Part B application. The HSSF was the last site we inspected on the first day of our inspection. The inspection team returned the Environmental Management Office and discussed the day's inspection and violations with VAFB. The team left the base at 1830 hours.

On the second day, October 25, 1990, at 0830 hours, the team met at the office. Captain Kolakowski escorted the team to the DRMO. The DRMO manages

the disposal of most hazardous waste at VAFB except for explosives and infectious waste. VAFB's ISD storage area is managed by DRMO. All hazardous waste from the base's CAPs are sent to this storage area within 90 days of generation prior to being disposed, with the exception of waste oil. Waste oil is picked up in bulk at the points of generation by Petroleum Recycling Corporation (PRC). PRC sends the oil under a hazardous waste manifest to a RCRA permitted facility, the Oregon School District to be burned as fuel for boilers. Used batteries are sent to the RCRA permitted Department of Energy (DOE) facility in Idaho. Off-specification or out-dated paints and solvents are put up for bid sale. When a hazardous material does not sell within a reasonable period of time, a hazardous waste label is applied to the container and the accumulation date begins. Silver is recovered from plating wastes at various facilities at VAFB. DRMO receives this silver in the form of "chips", powder, steel wool cartridges and silver-containing sludge. DRMO and VAFB stated that this silver is not managed as hazardous waste and is sent to DRMO in San Diego under a bill of lading, not a hazardous waste manifest. DRMO further stated that exposed photograph, motion picture and x-ray film is also sent to DRMO in San Diego for consolidation and shipping to Washington D.C. where it is burned and silver is recovered from the ash.

The team next went to the ISD storage area, arriving at 0930 hours. This area, managed by DRMO, receives all hazardous wastes, except waste oil, prior to shipping offsite for disposal. The storage area consisted of a single building in a fenced yard (see photo 20). Hazardous waste signs were posted both at the gate and on the entrance to the building. All hazardous waste is stored inside the building and is segregated according to physical characteristics (see photos 17 - 19). The waste drums are stored on three levels of shelves for easy access. The team found at least 10 drums with incomplete labels as no hazard class was listed (see photo 6 for example). The team found several containers of hazardous materials stored along with the hazardous wastes (see photos 7 & 8). We informed DRMO that product should not be stored in the hazardous waste area. DRMO stated that three 30 gallon drums of Trichloroisocyanuric acid (photo 7) were nationally advertised for bid sale as off-specification product. DRMO further stated that drums are managed as hazardous waste if no one buys them. Benny Ramero of DRMO stated that these three drums had just been determined to be hazardous waste but DRMO is waiting to find a contractor to take them. The team responded that speculative marketing of hazardous waste is not permissible. When a hazardous material does not sell after advertisement, it should immediately be designated as a hazardous waste according to state and federal regulations and a complete hazardous waste label should be attached. A 55 gallon drum labeled as "waste solid NOS" had an incomplete label as no accumulation date, EPA waste number or manifest number were included (see photo 9). Three drums were stored so that labels were not visible for inspection (see photo 10). DRMO turned the drums for us and the labels were complete. A 55 gallon drum of isopropanol had an incomplete label as the accumulation date was not listed (see photos 11 & 12). A 55 gallon drum and a 30 gallon drum both labeled as containing PCB contaminated material did not

have hazardous waste labels attached (see photos 13 & 14). Furthermore, a transformer labeled as PCB contaminated equipment did not have a hazardous waste label (see photos 15 & 16). DRMO stated that the transformer was drained of contaminated oil into the two drums and were all three to be disposed of as hazardous waste. Hinojosa reviewed the inspection records and the contingency plan. The inspection records do not indicate when problems were corrected, but only that they were listed on a work order. The contingency plan does not list all of the waste materials stored in the building. The DRMO employees do not implement any emergency response. According to the contingency plan, personnel are instructed to sound the alarm and evacuate the building in an emergency. The Interim Status Document (ISD) is on file at the storage building as required.

The inspection team returned to the Audiovisual Building # 1369 at 1035 hours to inspect the previously locked silver recovery room. We walked downstairs into the basement and in a corner there was a small locked room. Dick Frazier, a contractor, opened the door and showed us a silver recovery tank and system. Silver is collected in a steel wool cartridge as well as plated on a spindle. Frazier stated the cartridges are sealed and sent to DRMO. The cartridges have a label with a serial number and installation and removal dates. They do not, however, have a hazardous waste label applied and are not manifested or managed as hazardous waste by VAFB. The canisters are changed every 6 months. Silver that is deposited on the spindle during electrolysis, is knocked or scraped off in flake form into plastic zip-lock bags. This silver is not labeled, manifested or managed as hazardous waste. Frazier claimed that this silver is pure and that it is scrap metal since it is in chips. There was no silver waste available at the time of inspection. The door of the silver recovery room did not have a hazardous waste sign and the inspection team requested that VAFB post one.

The inspection team went to the EOD range, arriving at 1115 hours. Here military and non-military explosives are detonated. Sergeant Wilson lead us to the detonation pit and explained the process of setting a directed charge of C-4 explosive which burns the ordnance's explosive charge without causing an explosion. The explosive device can therefore be recovered for evidence. Wilson stated that enough explosive is used so that no residue is left behind. Wilson further stated that soil samples have been taken and analyses have shown that the soil was not contaminated. This area is sampled once a year. A burn box has been added to this area which will be used to detonate small caliber ammunition. The box is made of steel with a wood floor and steel screen lid. The wood floor is ignited with black powder and the heat sets off the primers which open the cases and lets the gun powder burn. The bullets are not projected because the cases open before enough pressure is built. The lead and copper from bullets and brass from the cases will be recycled as scrap metal and the powder should burn completely leaving no waste.

After lunch the inspection team arrived back at DRMO at 1300 hours. Tony Berry, Chief, stated that they started to accumulate steel wool cartridges approximately 6 months ago. Berry stated that no cartridges have been shipped off site because he was waiting for a determination of whether or not the cartridges are hazardous waste. He stated that all recovered silver is shipped to DRMO in San Diego.

The rest of the day the inspection team spent reviewing DRMO's records. Hazardous waste manifests were checked from the last three years. On May 4, 1988, 40 drums of waste (according to manifest #s 87804554 - 8780460), consolidated into an Industrial Waste Engineering (IWE) tanker truck were hauled to OSCO. OSCO stated that IWE arrived with the wastes but didn't like the price and left. No one knows what ever happened to this load of waste. VAFB filed an exception report when the manifest was not returned to them. One manifest, # 90270883, had improper Land Disposal Restriction (LDR) information as the waste was listed non-restricted but the waste is actually a restricted waste. The training records were not updated this year. Furthermore, training records were not kept for three years after employees had left DRMO. The operating record, annual report and closure plan were adequate. The inspection record, contingency plan and ISD had been previously reviewed at the ISD storage area.

On the third day of the inspection, October 26, 1990, we arrived at the transportation unit at 0840 hours. In the vehicle maintenance building the inspection team found drums of empty aerosol cans, combustible Bondo and fiberglass resins and paint related material. These drums were labeled and managed properly. The team found some oily rags and empty oil and solvent containers in a trash can. VAFB stated that the trash is separated by the end of the day and that oily materials are managed as hazardous waste. 55 gallon drums designated for used rags are located throughout the maintenance buildings. These are managed as satellite accumulation containers, however do not have hazardous waste labels attached. Solvents are recycled by Safety-Kleen Corp. who picks up the waste and delivers product at the point of generation. The solvents are not sent to DRMO. Maintenance-free batteries are used in the fleet vehicles. Used batteries are returned to the contracted supplier as cores when new batteries are purchased. Therefore, there is no waste stream of vehicle batteries. VAFB stated that they generate approximately five 55 gallon drums of waste oil a month. VAFB stated that they plan to use an above ground storage tank for the oil. The inspection team informed VAFB that the management of oily rags and waste oil needs to be included in the operation plan.

The team walked to the vehicle maintenance CAP. There, I discovered three containers with incomplete labels. The labels read, "awaiting analysis" and two had accumulation dates of April 5, 1990 and one dated July 12, 1990. All other information was absent. VAFB stated that the samples were sent to a laboratory at Brooks Air Force Base in Texas and that they have a backlog.

16 drums had accumulation dates over 90 days from the time of inspection (see Attachment 12).

The inspection team next went to the Lockheed facility where they perform minor fabrication, refurbishing and space vehicle maintenance. The team inspected several drums of waste Freon which is to be sent to DRMO for storage. Spill containment and safety equipment, including respirators, are readily available. The team inspected a fluorescent light bulb crusher used at the site. The crusher mounts to the top of a 55 gallon drum. Bulbs are fed into the crusher one at a time and the glass fragments drop down the bung hole. The gases inside of the bulbs are vented through a filter to control harmful emissions. The crushed glass is managed as hazardous waste. Bulbs from all Lockheed buildings on the base are crushed in this one machine. The team told VAFB to include the bulb crusher in the operation plan and gave verbal permission to continue using it in the interim since it appears unlikely to pose a threat to health and safety or the environment. Training records were listed on a computer program for easy access.

The team then went to the printed circuit board shop. We looked at the water treatment system where copper is reverse plated onto electrodes. Copper waste, in the form of chips, from plating and etching is thrown in the trash. Warren Ray stated that the copper is not hazardous waste. Ray further stated that no solvents are used and that filters on the spray booth are the only hazardous waste generated in their painting operations. In the circuit board shop's CAP, there were three 55 gallon drums labeled as hazardous waste.

At 1125 hours we arrived back at DRMO to look at the silver wastes. We were lead to a locked storage area in a warehouse where they stored the recovered silver. There were 23 plastic buckets, approximately 2 gallon size, containing one steel wool cartridge each and a few bags of silver chip and tubes of silver-containing sludge. The silver chips included a large percentage of fine powder, nullifying the scrap metal exemption. The inspection team determined all three forms of reclaimed silver as hazardous waste. The silver is not properly packaged, labeled, manifested or managed as hazardous waste.

The team completed its inspection with a debriefing meeting back at the Environmental Management Unit office with VAFB staff at approximately 1200 hours.

VIII. Sampling Summary:

No samples were taken.

IX. Violations:

Count 1: Health and Safety Code (HSC), section 25201 and Title 22,

California Code of Regulations (Cal. Code Regs.), section 66371 (a).

VAFB is diluting hazardous waste with water, constituting treatment without a permit.

Evidence: A contractor at the HSSF stated that spills from transferring rocket fuel are collected in a container and diluted with water to reduce the flammability. A drum of water contaminated with this fuel was found at the transfer area. Photos show this drum with a hazardous waste label.

Count 2: HSC, section 25160 (b) and Title 22, Cal. Code Regs., section 66480 (a).

VAFB sent hazardous silver waste offsite without preparing a hazardous waste manifest. The silver was shipped under a bill of lading.

Evidence: A contractor who explained the operation and lead the team through the HSSF stated that fuel transfer lines are purged and any remaining vapors are sent through an incinerator.

Count 3: HSC, section 25189.5 (c).

VAFB sent hazardous silver waste to DRMO in San Diego, a non-permitted facility under a bill of lading.

Evidence: VAFB stated that silver chips from the silver recovery units have been sent to DRMO in San Diego under a bill of lading.

Count 4: Title 22, Cal Code Regs., section 66508 (a).

VAFB stored 10 drums, not covered by a storage extension, for longer than 90 days at the V-23 storage area and 16 drums at the vehicle maintenance CAP.

Evidence: Photos 4 & 5 show drums at the V-23 CAP, which according to serial numbers are not included in a storage extension issued by the Department. Attachment 12 is a computer printout provided by VAFB, showing 16 drums with 90 day dates expired by the date of the inspection.

Count 5: Title 22, Cal Code Regs., section 66508 (a) (2), (c) (1), (c) (2).

VAFB stored at least 16 drums of hazardous waste with incomplete labels. VAFB stored 6 containers hazardous waste without labels. The satellite accumulation drums for oily rags and at least 27 containers of recovered silver did not have hazardous waste labels

attached. At least three drums were turned so that the labels were not visible for inspection.

Evidence: Photos 6, 7, 9 and 11-16 show unlabeled and incompletely labeled containers which were identified by VAFB as hazardous wastes. Photo 10 shows three drums turned so that labels are not visible.

Count 6: Title 22, Cal Code Regs., section 66374 (i)(1).

VAFB could not provide immediate access where a regulated activity is conducted.

Evidence: Don Thiede stated that the silver recovery room in the 1369 AVS Photo Processing Laboratory was locked since the person in charge was absent.

Count 7: Title 22, Cal Code Regs., section 67103 (c).

There is no hazardous waste sign posted outside of the silver recovery room in the 1369 AVS Photo Processing Laboratory.

Evidence: The inspection team inspected the silver recovery room in the 1369 AVS Photo Processing Laboratory on October 25, 1990, and noted that there were no hazardous waste signs posted outside.

Count 8: Title 22, Cal Code Regs., section 66471.

VAFB did not determine their silver wastes to be hazardous waste.

Evidence: VAFB stated that they do not manage their silver waste as hazardous waste. VAFB further stated that the silver waste is sent out under a bill of lading.

Count 9: Title 22, Cal Code Regs., section 67104 (d).

The inspection records at the ISD storage area do not indicate the dates when problems were corrected.

Evidence: Attachment 3 is a photocopy of the inspection log from the ISD storage area which does not include the dates that problems have been corrected.

Count 10: Title 22, Cal Code Regs., section 67105 (c).

DRMO's training records have not been updated this year.

Evidence: Department inspector, Javier Hinojosa examined DRMO's training records and found no training records dated in 1990.

Count 11: Title 22, Cal Code Regs., section 67105 (e).

DRMO's training records on former employees have not been kept for three years from the date the employee last worked at the facility.

Evidence: Department inspector, Javier Hinojosa examined DRMO's training records and found no training records for past employees.

Count 12: Title 22, Cal Code Regs., section 67162 (a).

One manifest at DRMO had improper LDR information listed as restricted wastes were classified as non-restricted wastes.

Evidence: Attachment 7 consists of photocopy of manifest # 90270883 and the attached LDR notification sheets.

X. Discussion With Management:

After each day's inspection, the inspection team met with VAFB's Environmental Management staff and discussed the potential violations found. The Department instructed VAFB to manage the recovered silver wastes as hazardous waste. The Department also mentioned that the fume incinerator and the evaporation ponds may be regulated units and that the Department would look into it and make a determination in the future. The Department further instructed VAFB to manage labeling activities more carefully since labeling violations accounted for the majority of violations. VAFB was very concerned about coming into total compliance. The Department commended VAFB for its efforts to comply with the regulations and for its cooperation during the inspection.

XI. Attachments:

1. Maps of Vandenberg Air Force Base - 2 pages.
2. Photographs from October 24, 1990 inspection - 10 pages.
3. Inspection records missing dates of corrections of problems at the ISD storage area - 7 pages.
4. Documents showing 10 drums that were stored over 90 days at the V-23 CAP which were not covered by an extension - 6 pages.
5. VAFB Environmental Policy Memo - 6 pages.
6. List of Identification #s on Hazardous Waste labels found in a trash can - 1 page.
7. Manifest # 90270883 showing improper LDR information - 8 pages.

8. Various Hazardous Waste Manifests - 45 pages.
9. Hazardous Waste Analysis Standard Operating Procedures - 5 pages.
10. VAFB New Management Policy for Unknown Wastes - 1 page.
11. EPA letter to VAFB clarifying requirements that VAFB was cited for as potential violations in the EPA inspection report of June 23, 1988. Note: EPA response to label requirements of wastes awaiting analysis, under "Accumulation Time" - 3 pages.
12. List of 16 drums stored over 90 days at the vehicle maintenance CAP - 1 page.

XII. Witnesses:

1. Scott Simpson
Chief
Department of Health Services
Toxic Substances Control Program
Region 3 (Burbank)

Will testify to the events and statements made during the inspection conducted on October 24, 1990.

2. Paul Baranich
Senior Hazardous Materials Specialist
Department of Health Services
Toxic Substances Control Program
Region 3 (Burbank)

Will testify to the events and statements made during the inspection conducted on October 24-26, 1990.

3. Richard Jones
Associate Hazardous Materials Specialist
Department of Health Services
Toxic Substances Control Program
Region 3 (Burbank)

Will testify to the events and statements made during the inspection conducted on October 24-26, 1990.

4. Will Wright
Associate Hazardous Materials Specialist
Department of Health Services
Toxic Substances Control Program
Region 3 (Burbank)

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5. Larry Stuck
Hazardous Materials Specialist
Department of Health Services
Toxic Substances Control Program
Region 3 (Burbank)

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6. Javier Hinojosa
Hazardous Materials Specialist
Department of Health Services
Toxic Substances Control Program
Region 3 (Burbank)

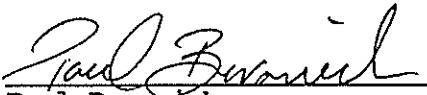
Will testify to the events and statements made during the inspection conducted on October 24-26, 1990.

XIII. Signatures:



Larry Stuck
Hazardous Materials Specialist
Region 3 (Burbank)
Facilities Management Branch
Toxic Substances Control Program

1/8/91
Date Submitted



Paul Baranich
Senior Hazardous Materials Specialist
Region 3 (Burbank)
Facilities Management Branch
Toxic Substances Control Program

1/9/91
Date Approved

Attachment 1

Maps of Vandenberg Air Force Base - 2 pages.

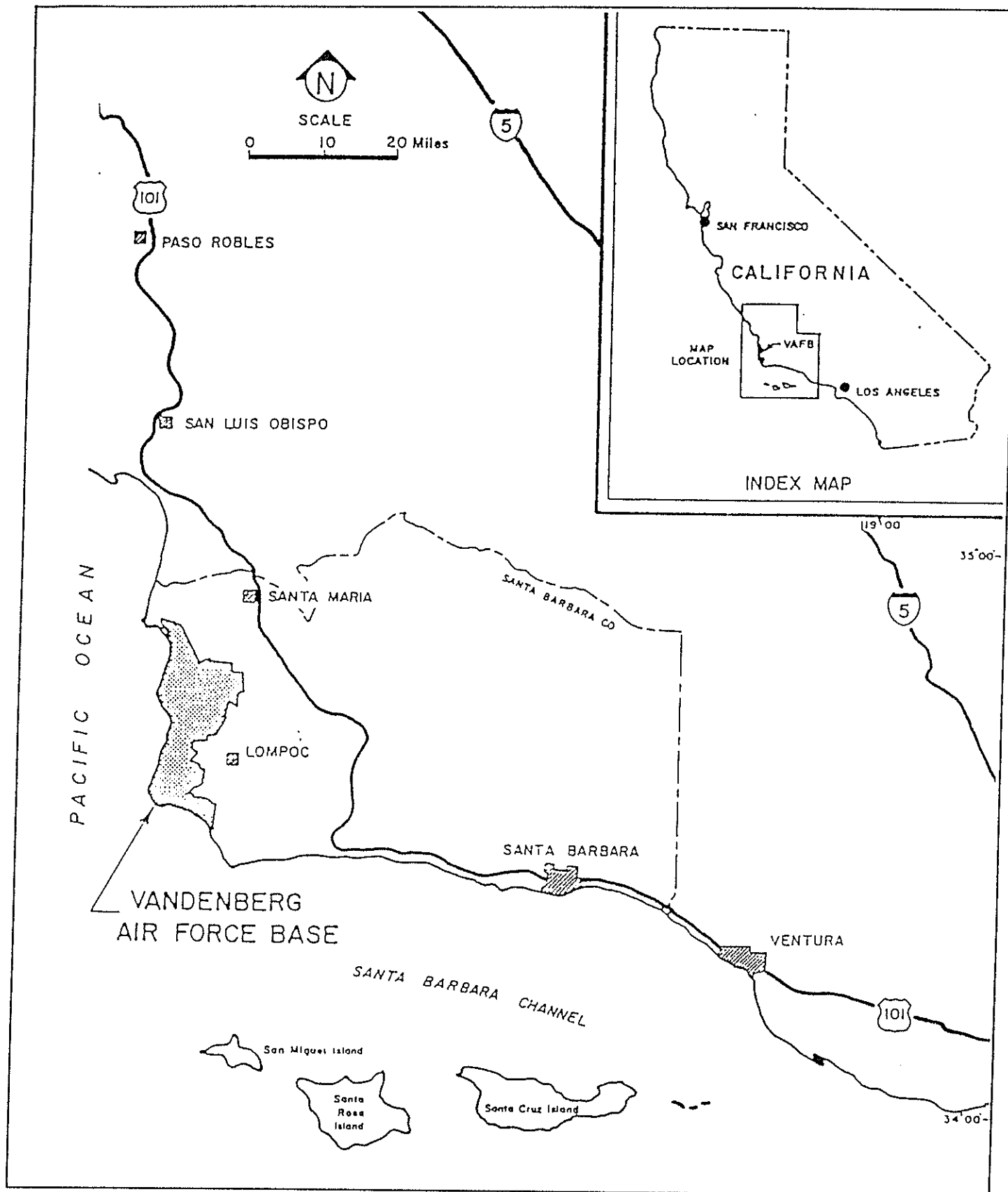


Figure B-1. Location Map of Vandenberg AFB, California

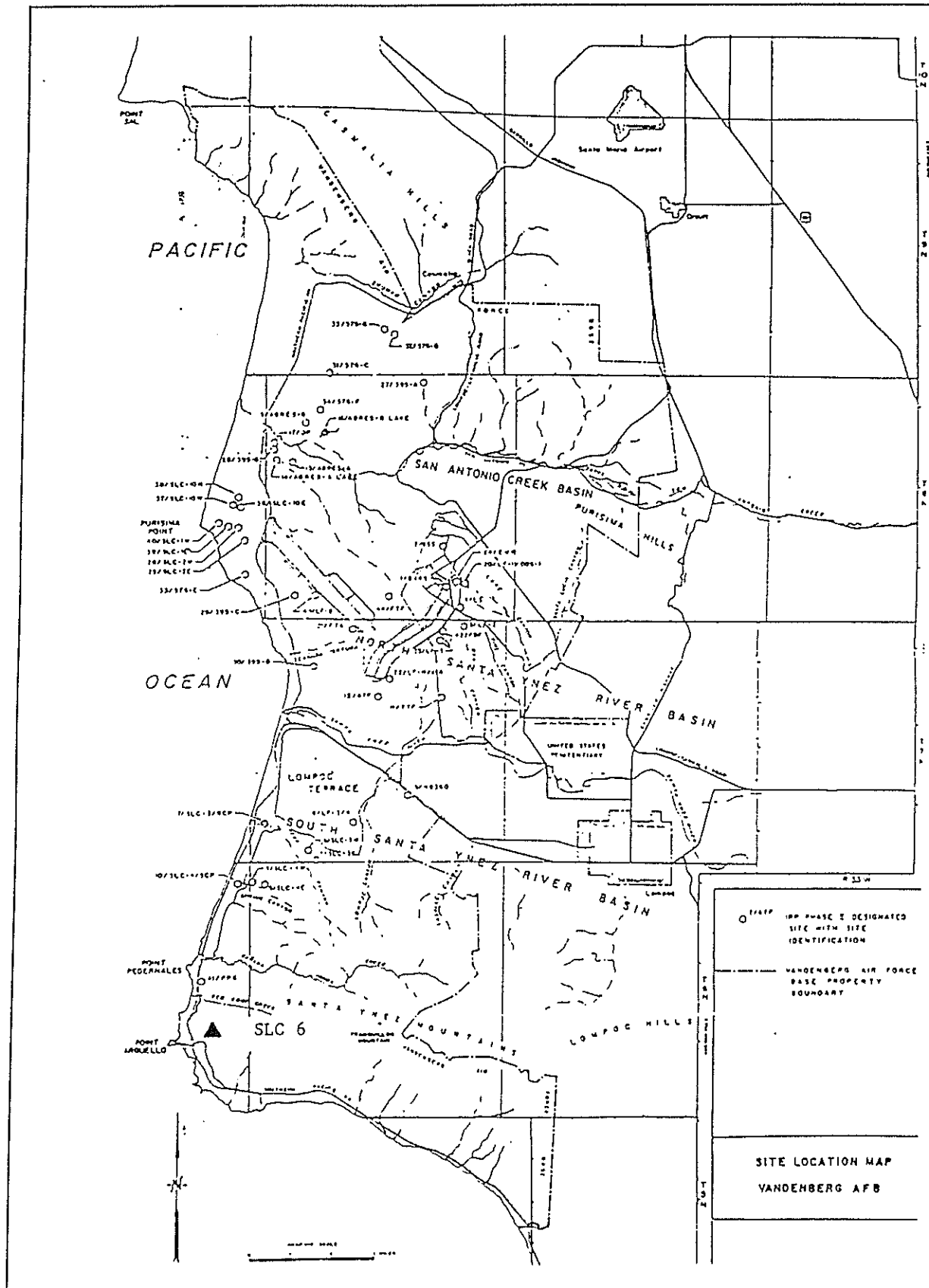


Figure E-1. Location and Topography at Vandenberg AFB

Attachment 2

Photographs from October 24, 1990 inspection - 10 pages.

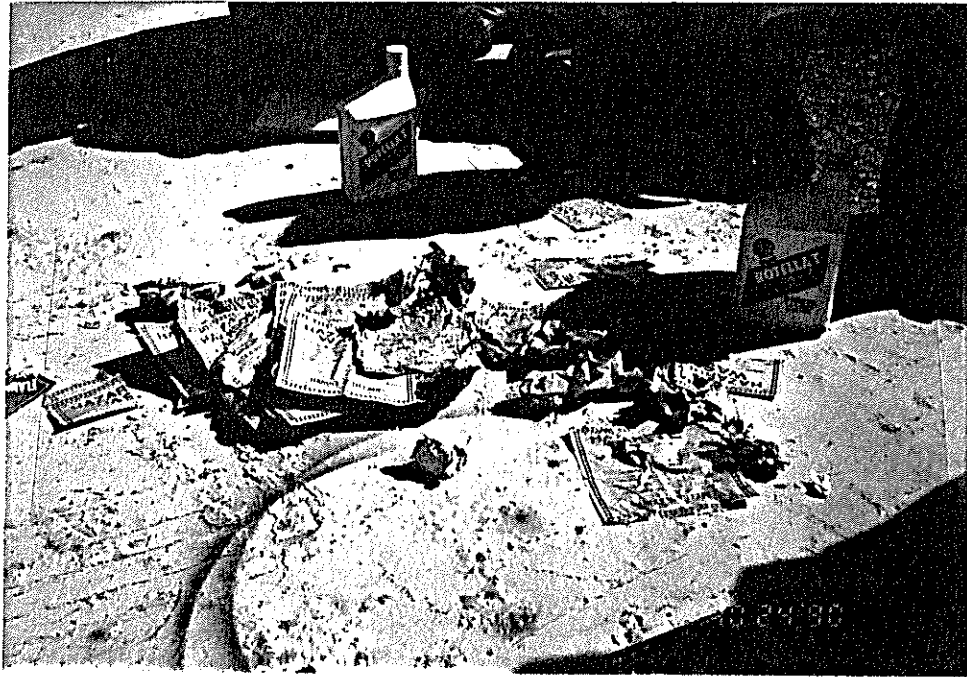


Photo 1. by Larry Stuck
Approximately 30 used hazardous waste labels and 2 empty oil cans were found in a trash can at a hazardous waste collection accumulation point (CAP).

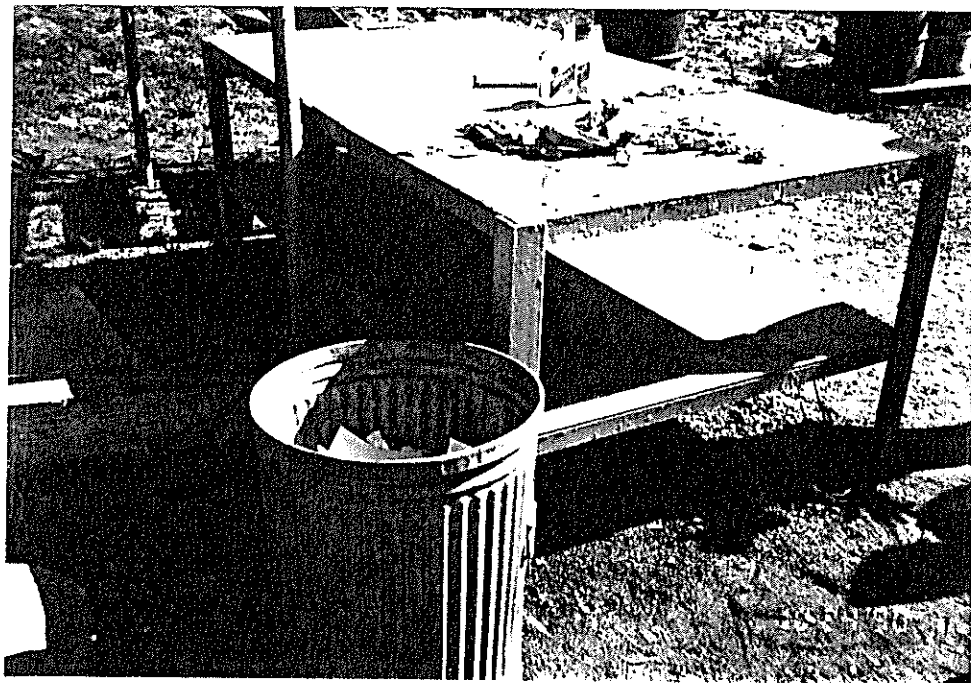


Photo 2. by Larry Stuck
Used labels and the trash can where they were found.

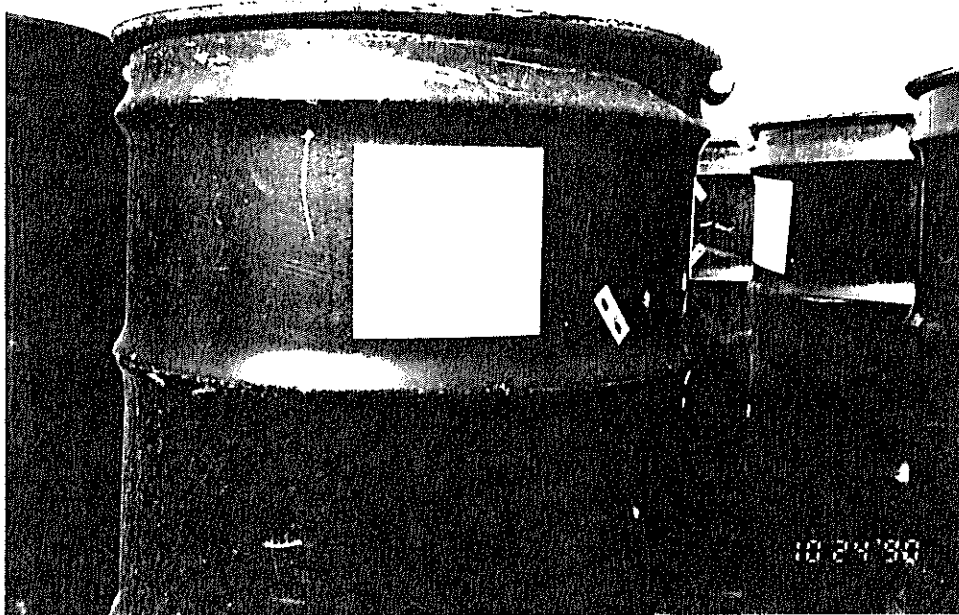


Photo 3. by Larry Stuck
One of eighty-nine 55 gallon drums of hazardous waste sludge cleaned from the north evaporation pond next to the SIC-6 wastewater treatment area.



Photo 4. by Larry Stuck
Ten drums of hazardous waste not covered by an extension which were stored longer than 90 days at the V-26 CAP.
Note: Two evaporation ponds in background.



Photo 5. by Larry Stuck
Looking West at ten drums stored over 90 days in V-23 CAP.

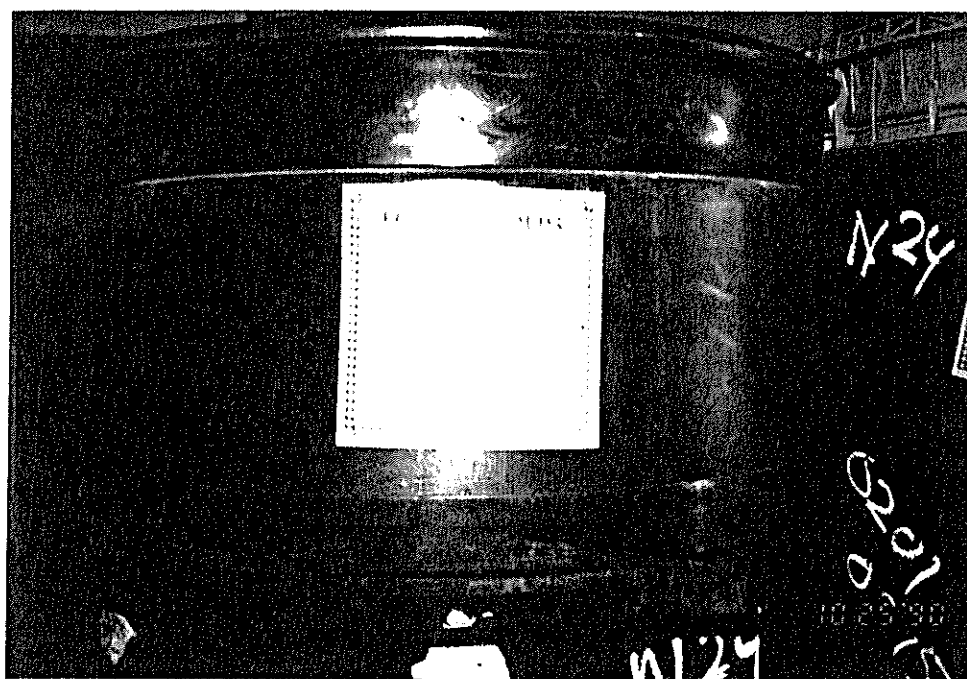


Photo 6. by Larry Stuck
One of at least ten drums with incomplete labels as no hazard class was listed.



Photo 7. by Larry Stuck

Three 30 gallon drums of off-specification Trichloroisocyanuric acid determined to be hazardous waste do not have hazardous waste labels attached.



Photo 8. by Larry Stuck

Containers of product stored in the hazardous waste area. Note the hazardous waste label on drum to the right.

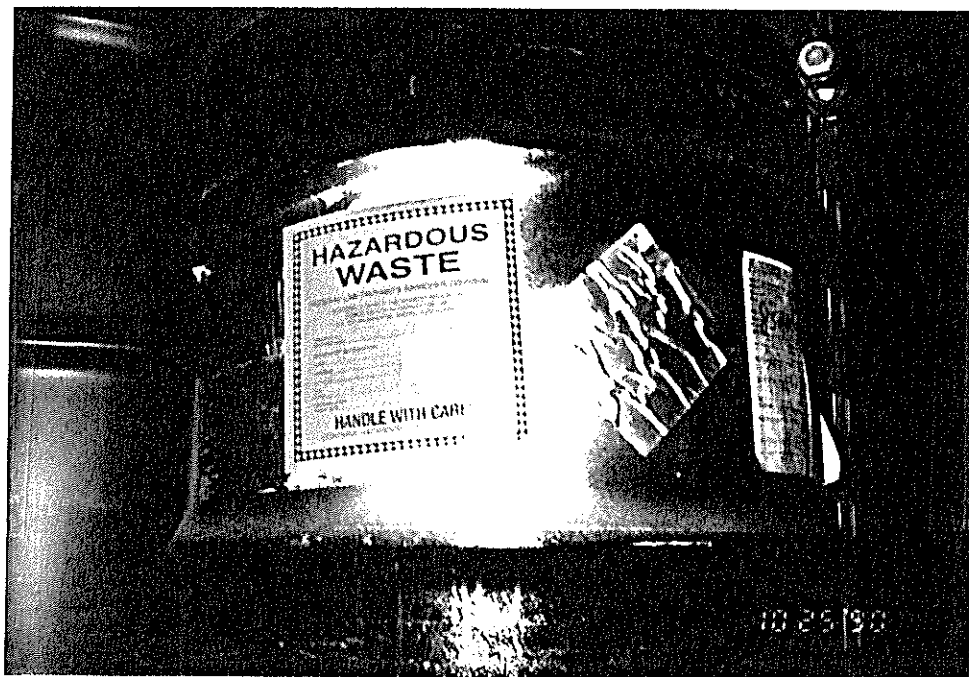


Photo 9. by Larry Stuck

A drum labeled as hazardous waste had an incomplete label as no accumulation date or EPA waste number were included.

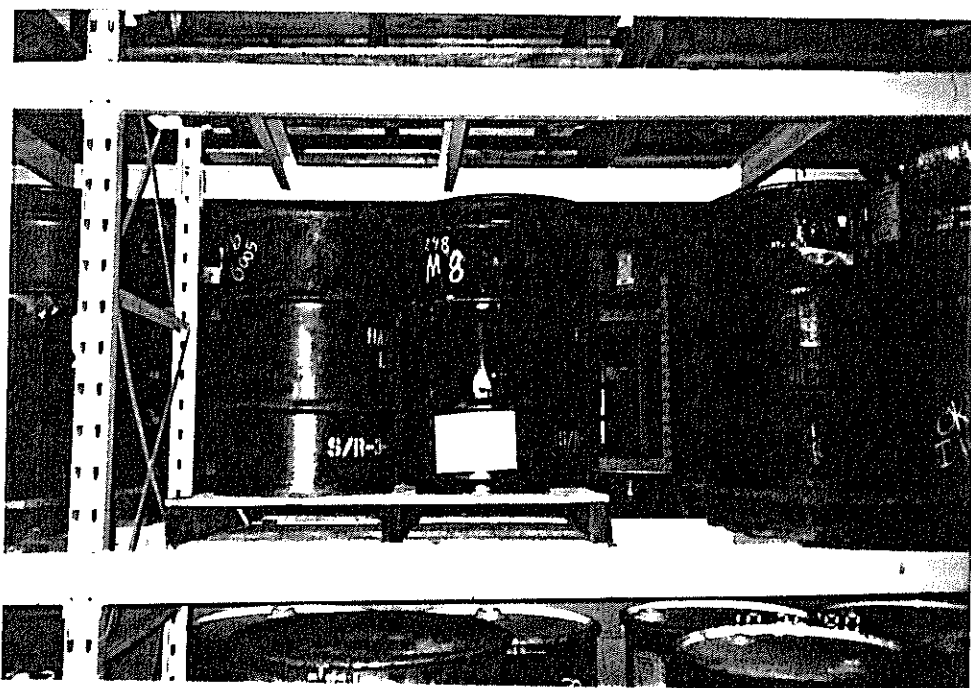


Photo 10. by Larry Stuck

Three drums identified as containing hazardous waste did not have hazardous waste labels attached.



Photo 11. by Larry Stuck

One 55 gallon drum of hazardous waste had an incomplete label as the accumulation date was not listed.

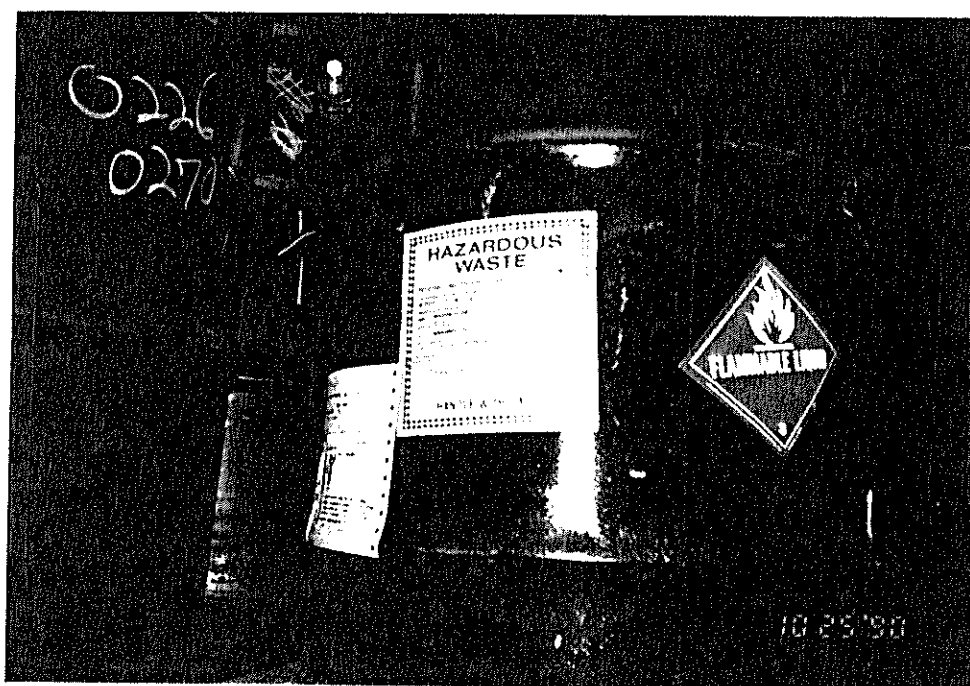


Photo 12. by Larry Stuck

Closer view of incomplete label noted above.



Photo 13. by Larry Stuck

A 55 gallon drum identified as containing PCB contaminated oil did not have a hazardous waste label attached.



Photo 14. by Larry Stuck

A 30 gallon drum identified as containing PCB contaminated oil did not have a hazardous waste label attached.



Photo 15. by Larry Stuck

A transformer contaminated with PCB did not have a hazardous waste label attached.

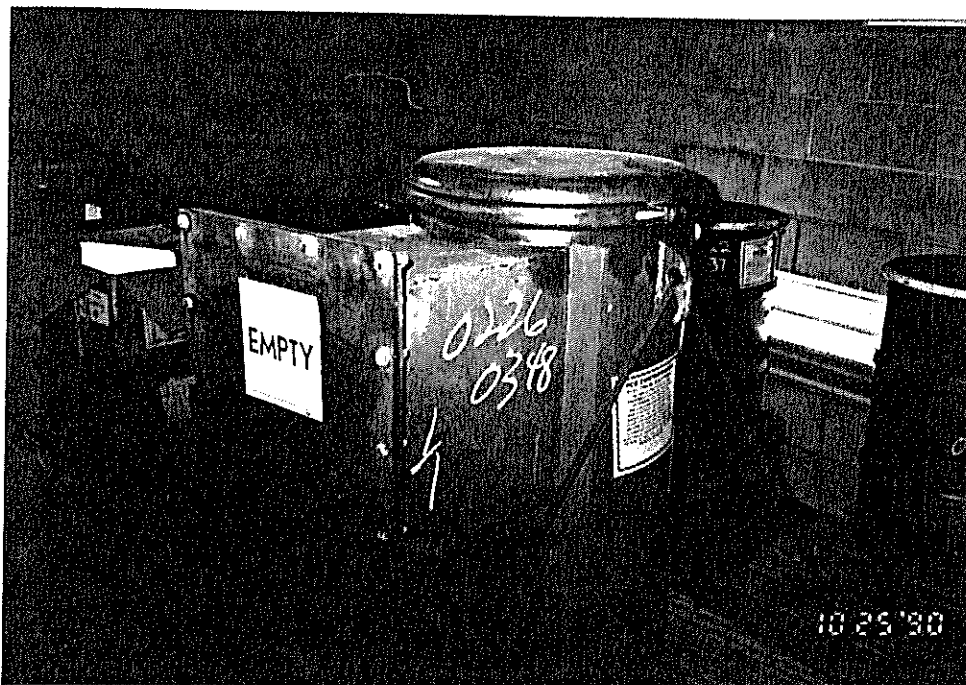


Photo 16. by Larry Stuck

Same unlabeled transformer as noted in photo 15.



Photo 17. by Larry Stuck
PCB storage area inside of the ISD storage building.

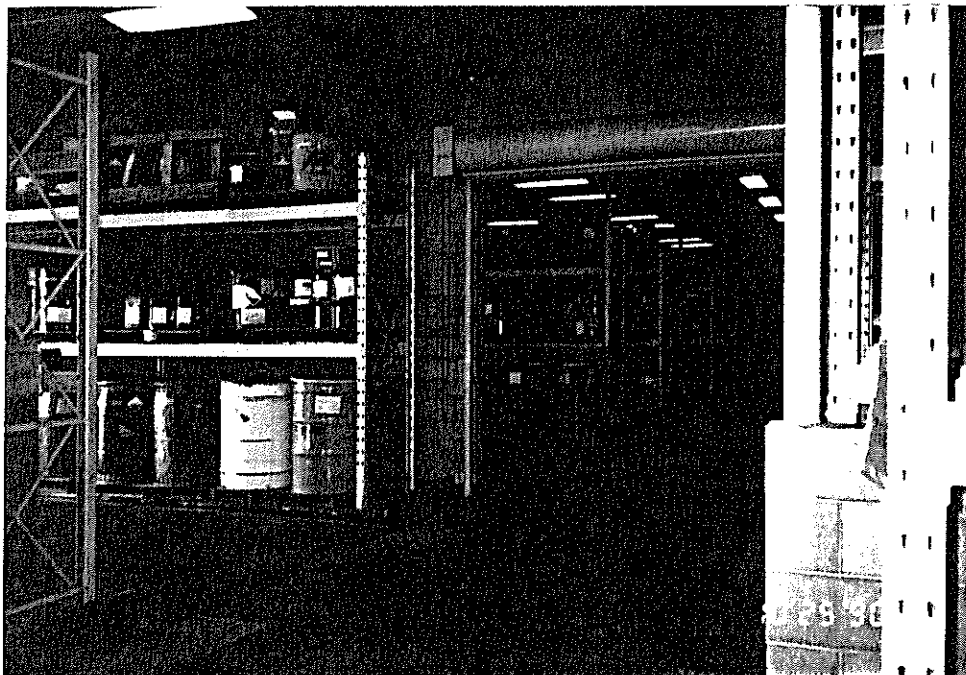


Photo 18. by Larry Stuck
View South down center isle of ISD hazardous waste storage area.

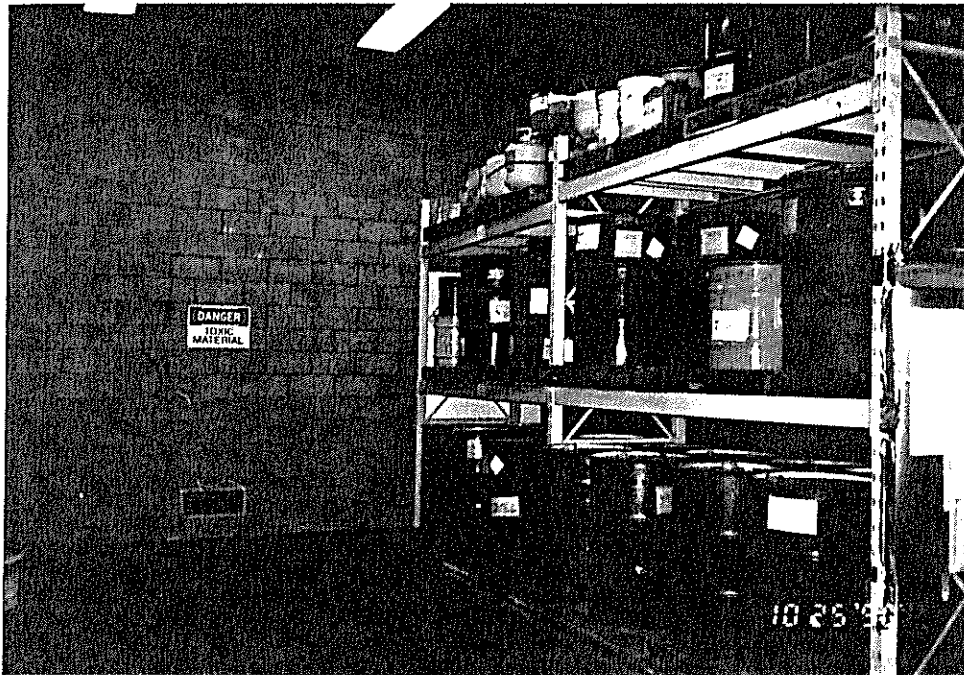


Photo 19. by Larry Stuck
Looking West down the designated toxic material isle of the ISD storage area.

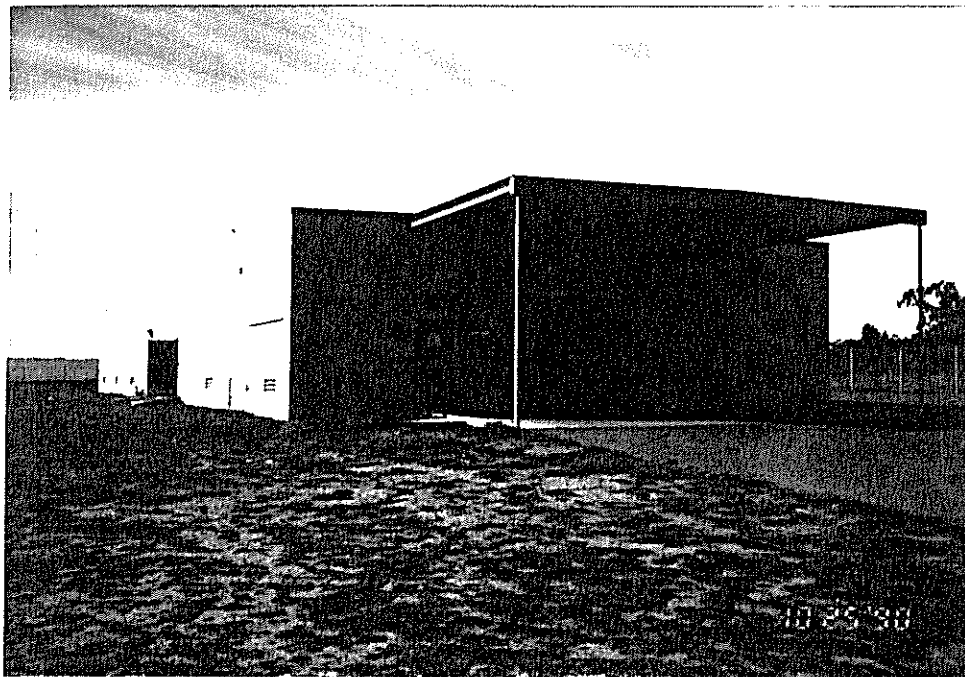


Photo 20. by Larry Stuck
Looking South at the ISD hazardous waste storage building.

Attachment 3

Inspection records missing dates of corrections of problems at the ISD
storage area - 7 pages.

INSPECTION LOG

(Prescribing Authority: DRMS-M 6050.1)

LEGEND

NA - Not applicable

DATE/TIME 407
10-12-90

AREA/BLDG (Specify when HM/HW is stored off-site of DRMO)

3300

SIGNATURE OF INSPECTOR

David A. Stewart

ITEM	TYPE OF PROBLEM	SAT	UN-SAT	NA	LOCATION AND PROBLEMS OBSERVED	DATE & NATURE OF CORRECT ACTION	FREQUENCY
SAFETY AND EMERGENCY EQUIPMENT							
Face shield & Goggles	Broken or dirty	✓					weekly
Protective clothing	Holes worn	✓					weekly
Absorbents (eg, sorb-all Vermiculite)	Out of Stock; Saturated with water	✓					weekly
Empty drums/containers	Corrosion structural damage	✓					weekly
Emergency eyewash/shower	Water pressures, leaking		✓		no water,	reported to E.O.	weekly
Fire blankets	Torn, worn, missing			✓			weekly
Ventilation systems	Not operating	✓					weekly
Shovel nonsparking broom	Missing, damaged	✓					weekly
Fire Extinguishers	Not charged	✓					monthly
Fire Alarm System	Not operating	✓					monthly
Telephone system	Not operating	✓					monthly
First Aid equipment and supplies	Items out of stock, not sterile	✓					monthly
SECURITY							
Fences, Gates	Signs of tampering	✓					weekly*
Signs	Illegible		✓		Burned Exit signs	on work order	weekly
Lighting	Burned out		✓		Burned overheads	on work order	weekly
Building doors, locks	Locks missing, unlocked	✓			rusty, Doors	on work order	weekly*

ITEM	TYPE OF PROBLEM	SAT	UN SAT	NA	LOCATION AND PROBLEMS OBSERVED	DATE & NATURE OF CORRECT ACTION	FREQUENCY
BUILDING							
Load/unload area General debris & refuse	Aesthetics, obstruction	✓					weekly*
Odor, fumes	Present ✗	✓					weekly*
Bases or foundation, containment trenches, ramps, roof, walls	Wet spots from containers	✓					weekly*
	Leaks from roof/wall	✓					weekly*
	Structural integrity, e.g. erosion; uneven settlement, cracks and spalling in concrete	✓			Cracks on pool	on work order	yearly
CONTAINER STORAGE AREA							
Containers	Corrosion leaking structural defects	✓					weekly*
General debris & refuse	Aesthetics, obstruction		✓		pallets need to be removed picked up on Mon.		weekly*
Containment area coating/sealant	Cracks, worn spots, presence of accumulated liquids		✓		Cracks	on work order	weekly*
Load/unload area	Leaks, incorrect position spots indicating spills	✓					weekly*
Container placement and stacking	Insufficient aisle space, heights of stacks excessive	✓					weekly
Sealing of containers	Open lids	✓					weekly
Labeling of containers	Improper identification; data or label missing; not intact, or not readable	✓					weekly
Segregation of incompatible wastes	Storage of incompatible wastes in same area	✓					weekly
Pallets	Damaged (e.g., broken wood, warping, nails missing)	✓					weekly

*Daily when in use

ITEM	TYPE OF PROBLEM	SAT	UN SAT	NA	LOCATION AND PROBLEMS OBSERVED	DATE & NATURE OF CORRECT ACTION	FREQUENCY
MOBILE EQUIPMENT							
Breaks	Worn pads, rotors	✓					PTEU**
Hydraulics	Leaking	✓					PTEU**
Lights-running emergency	Not operational			✓			PTEU**
Horns/sirens	Not operational	✓					PTEU**
Battery	Not operational	✓	✓		Low water	add water	PTEU**
Lubrication	Low level	✓	✓				PTEU**
Tires	Worn, low pressure	✓	✓				PTEU**
Safety equipment	Not operational	✓	✓				PTEU**
Instruments	Not operational	✓	✓				PTEU**
General condition	Deficiencies	✓	✓				PTEU**
Lift, shift, tilt, control mechanisms	Not functional	✓	✓				PTEU**
Accessories	Missing, inoperative			✓			PTEU**

**PTEU Prior to each use but not more often than once per day

INSPECTION LOG

(Prescribing Authority: DRMS-M 6050.1)

LEGEND

NA - Not applicable

DATE/TIME

6-26-90

AREA/BLDG (Specify when HM/HW is stored off-site of DRMO)

3300

SIGNATURE OF INSPECTOR

ITEM	TYPE OF PROBLEM	SAT	UN-SAT	NA	LOCATION AND PROBLEMS OBSERVED	DATE & NATURE OF CORRECT ACTION	FREQUENCY
SAFETY AND EMERGENCY EQUIPMENT							
Face shield & Goggles	Broken or dirty	✓					weekly
Protective clothing	Holes worn	✓					weekly
Absorbents (eg, sorb-all Vermiculite)	Out of Stock; Saturated with water	✓					weekly
Empty drums/containers	Corrosion structural damage	✓					weekly
Emergency eyewash/shower	Water pressures, leaking	✓					weekly
Fire blankets	Torn, worn, missing	✓					weekly
Ventilation systems	Not operating	✓					weekly
Shovel nonsparking broom	Missing, damaged	✓					weekly
Fire Extinguishers	Not charged	✓					weekly
Fire Alarm System	Not operating	✓					monthly
Telephone system	Not operating	✓					monthly
First Aid equipment and supplies	Items out of stock, not sterile	✓					monthly
SECURITY							
Fences, Gates	Signs of tampering	✓					weekly*
Signs	Illegible	✓					weekly
Lighting	Burned out	✓			2nd light burned out	put on work order	weekly
Building doors, locks	Locks missing, unlocked	✓					weekly*

Page 3 of 3

ITEM	TYPE OF PROBLEM	SAT	UN SAT	NA	LOCATION AND PROBLEMS OBSERVED	DATE & NATURE OF CORRECT ACTION	FREQUENCY
BUILDING							
Load/unload area General debris & refuse	Aesthetics, obstruction						weekly*
Odor, fumes	Present						weekly*
Bases or foundation, containment trenches, ramps, roof, walls	Wet spots from containers		✓	NA	1 gal. spilled	Wet spots reported	weekly*
	Leaks from roof/wall	✓					weekly*
	Structural integrity, e.g. erosion; uneven settlement, cracks and spalling in concrete	✓					yearly
CONTAINER STORAGE AREA							
Containers	Corrosion leaking structural defects	✓					weekly*
General debris & refuse	Aesthetics, obstruction	✓					weekly*
Containment area coating/sealant	Cracks, worn spots, presence of accumulated liquids		✓		Chips on outside of	put on work order	weekly*
Load/unload area	Leaks, incorrect position spots indicating spills						weekly*
Container placement and stacking	Insufficient aisle space, heights of stacks excessive	✓					weekly
Sealing of containers	Open lids	✓					weekly
Labeling of containers	Improper identification; data or label missing; not intact, or not readable	✓					weekly
Segregation of incompatible wastes	Storage of incompatible wastes in same area	✓					weekly
Pallets	Damaged (e.g., broken wood, warping, nails missing)	✓					weekly

*Daily when in use

MAINTENANCE AND REPAIR WORK ORDER LOG

DATE
4-11-90

No.	Description	Date to Host	Host Priority	Scheduled Completion	Follow-Up Dates	Completion Date	Status/Remarks
2308	Springer's 10-11-79	10-11-79	X				Reconnect W/air on 2-11-79 (inches)
							Shingles on 5-11-79
4381	CRANE Support 2	2-11-79	X			2-11-79	For 231-21-11-79
4528	CRANE Support 2	2-11-79	X			2-11-79	To load Contract 1 5-11-79
5537	Elec. Outlets	6-5-79				6-5-79	Elec. outlets for "B" PH
4538	CRANE Support 2	6-11-79	X				For 6-11-79 To load 6-11-79
5838	Porta Polling	6-11-79	X			6-11-79	Porta Polling for 6-11-79
4161	Septic Tank Connection	7-11-79	X				Septic Tank Connection for 7-11-79
0252	Porta Polling	8-11-79	X				Porta Polling for 8-11-79
0253	"	8-11-79	X				" 11 Sept 19
2005	FIRE ALARM	9-26-79	X			9-27-79	FIRE ALARM IN OP
7786	METAL DOORS	8-2-79	X				REPLACE METAL DOORS BLDG 3300
9954	FLUORESCENT LAMP	9-25-79	X				REPLACE FLUORESCENT LAMP 3300
9954	Fix CRACKS ON PAID	9-25-79	X				ATCH CRACKS OUTSIDE AND INSIDE 3300.

Attachment 4

Documents showing 10 drums that were stored over 90 days at the V-23 CAP
which were not covered by an extension - 6 pages.

VANDENBERG AIR FORCE BASE HAZARDOUS WASTE EXCEEDING 90 DAY STORAGE LIMIT AS OF 24 October 1990

CAP	DUE DATE	SERIAL NUMBER	NO OF DRUMS	QUANTITY	HAZARD CLASS	SHIPPING NAME
6605	4 Sep 90	192	1	5 LB	FLAMMABLE LIQUID	111 TRICHLOROETHANE
9327	13 Sep 90	7	1	1 GL	FLAMMABLE LIQUID	PAINT RELATED MATERIAL
6605	16 Sep 90	213	1	15 GL	CORROSIVE MATERIAL	COMPOUND CLEANING LIQUID
11343	21 Sep 90	300	1	13 LB	FLAMMABLE LIQUID	ORM-A NOS
11343	21 Sep 90	275	1	5 LB	OXIDIZER	CALCIUM HYPOCHLORITE MIXTURE
3000	23 Sep 90	1331	1	45 LB	FLAMMABLE GAS	COMPRESSED GAS NOS
3000	23 Sep 90	1337	9	45 GL	FLAMMABLE LIQUID	PAINT RQ D008
3000	23 Sep 90	1346	1	40 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
9327	23 Sep 90	3	1	80 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
9327	23 Sep 90	4	1	40 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
342	24 Sep 90	523	1	12 GL	COMBUSTIBLE LIQUID	FUEL OIL #2
342	24 Sep 90	522	1	211 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
342	24 Sep 90	521	1	220 LB	CORROSIVE MATERIAL	CORROSIVE SOLID NOS
342	24 Sep 90	520	1	320 LB	CORROSIVE MATERIAL	SODIUM HYDROXIDE FLAKE
342	24 Sep 90	519	1	150 LB	CORROSIVE MATERIAL	SODIUM HYDROXIDE FLAKE
3000	24 Sep 90	1348	12	624 LB	ORM-E	HAZARDOUS WASTE LIQUID NOS (RESIDUE)
342	25 Sep 90	526	1	125 LB	FLAMMABLE SOLID	FLAMMABLE SOLID NOS
342	25 Sep 90	527	1	7 GL	CORROSIVE MATERIAL	PAINT RELATED MATERIAL
342	25 Sep 90	525	1	452 LB	FLAMMABLE SOLID	FLAMMABLE SOLID NOS
342	25 Sep 90	654	12	600 GL	FLAMMABLE LIQUID	ORM-A NOS
6605	25 Sep 90	247	1	4 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
3000	26 Sep 90	1362	1	177 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
3000	26 Sep 90	1363	4	2003 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
3000	26 Sep 90	1367	1	280 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
3000	26 Sep 90	1368	1	4 GL	FLAMMABLE LIQUID	FLAMMABLE LIQUID NOS
1180	27 Sep 90	25	1	15 GL	CORROSIVE LIQUID	HYDRAZINE, AQUEOUS SOLUTION
3000	27 Sep 90	1369	1	187 LB	FLAMMABLE SOLID	FLAMMABLE SOLID NOS
3000	27 Sep 90	1370	1	5 GL	FLAMMABLE LIQUID	FLAMMABLE LIQUID NOS
3000	30 Sep 90	1371	1	11 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
3000	30 Sep 90	1373	1	137 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
3000	30 Sep 90	1374	1	36 LB	FLAMMABLE SOLID	FLAMMABLE SOLID NOS
3000	30 Sep 90	1375	1	1 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
3000	30 Sep 90	1376	1	9 LB	FLAMMABLE GAS	COMPRESSED GAS NOS
3000	30 Sep 90	1377	1	6 LB	NON-FLAMMABLE GAS	COMPRESSED GAS NOS
342	1 Oct 90	552	1	3 GL	ORM-E	FUEL OIL #2
342	1 Oct 90	550	1	30 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
342	3 Oct 90	558	1	480 LB	FLAMMABLE SOLID	FLAMMABLE SOLID NOS
342	3 Oct 90	557	1	477 LB	FLAMMABLE SOLID	FLAMMABLE SOLID NOS
342	3 Oct 90	556	1	7 GL	COMBUSTIBLE LIQUID	KEROSENE
3000	3 Oct 90	1381	1	40 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
6605	3 Oct 90	189	1	5 LB	FLAMMABLE LIQUID	DISPERSANT GAS
6605	3 Oct 90	190	1	5 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
6605	3 Oct 90	191	2	625 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
3000	4 Oct 90	1383	1	40 LB	CORROSIVE MATERIAL	CORROSIVE SOLID NOS
3000	4 Oct 90	1384	1	6 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
3000	4 Oct 90	1315	1	10 GL	FLAMMABLE LIQUID	PAINT
3000	4 Oct 90	1386	1	52 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
3000	4 Oct 90	1387	1	40 LB	FLAMMABLE GAS	COMPRESSED GAS NOS
3000	4 Oct 90	1388	1	2 GL	CORROSIVE MATERIAL	BATTERY FLUID ACID

VANDENBERG AIR FORCE BASE HAZARDOUS WASTE EXCEEDING 90 DAY STORAGE LIMIT AS OF 24 October 1990

CAP	DUE DATE	SERIAL NUMBER	NO OF DRUMS	QUANTITY	HAZARD CLASS	SHIPPING NAME
3000	4 Oct 90	1389	1	12 LB	CORROSIVE MATERIAL	CORROSIVE SOLID NOS
3000	4 Oct 90	1393	1	135 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
3000	7 Oct 90	1394	1	30 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
3000	7 Oct 90	1395	1	1 GL	CORROSIVE MATERIAL	HYDROCHLORIC ACID
11343	7 Oct 90	200	1	15 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
342	8 Oct 90	565	1	12 GL	FLAMMABLE LIQUID	GASOLINE
3000	8 Oct 90	1396	1	4 LB	FLAMMABLE LIQUID	PAINT RELATED MATERIAL (RESIDUE)
3000	8 Oct 90	1397	1	4 LB	FLAMMABLE LIQUID	PAINT RELATED MATERIAL (RESIDUE)
3000	8 Oct 90	1398	1	4 LB	FLAMMABLE LIQUID	PAINT RELATED MATERIAL (RESIDUE)
10600	8 Oct 90	9	1	197 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
10726	8 Oct 90	490	1	124 LB	FLAMMABLE LIQUID	PAINT RELATED MATERIAL
10726	8 Oct 90	508	1	193 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
10726	8 Oct 90	511	1	41 LB	ORM-E	HAZARDOUS WASTE LIQUID NOS (RESIDUE)
10726	8 Oct 90	509	1	222 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	8 Oct 90	265	1	100 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	8 Oct 90	245	2	110 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
11343	8 Oct 90	199	4	215 LB	COMBUSTIBLE LIQUID	PAINT
11343	8 Oct 90	198	1	21 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	8 Oct 90	336	1	135 LB	FLAMMABLE GAS	COMPRESSED GAS NOS
342	9 Oct 90	572	1	130 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
342	9 Oct 90	573	1	1 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
10726	9 Oct 90	496	1	185 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	9 Oct 90	206	1	2 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
11343	9 Oct 90	205	2	8 LB	ORM-E	HAZARDOUS WASTE LIQUID NOS (RESIDUE)
342	10 Oct 90	583	1	33 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
342	10 Oct 90	575	1	2 GL	CORROSIVE MATERIAL	BATTERY FLUID ACID
342	10 Oct 90	574	1	27 GL	FLAMMABLE LIQUID	PAINT RELATED MATERIAL
342	10 Oct 90	592	1	53 GL	CORROSIVE MATERIAL	CORROSIVE LIQUID NOS
342	10 Oct 90	590	2	88 GL	CORROSIVE MATERIAL	CORROSIVE LIQUID NOS
3000	10 Oct 90	1399	1	11 LB	FLAMMABLE SOLID	FLAMMABLE SOLID NOS
3000	10 Oct 90	1400	2	55 GL	FLAMMABLE LIQUID	PAINT RELATED MATERIAL
3000	10 Oct 90	1401	1	50 GL	FLAMMABLE LIQUID	FLAMMABLE LIQUID NOS
10726	10 Oct 90	510	1	6 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
10726	10 Oct 90	506	1	46 LB	ORM-E	FLAMMABLE SOLID NOS
10726	10 Oct 90	507	1	53 LB	ORM-E	HAZARDOUS WASTE SOLID NOS (RESIDUE)
11343	10 Oct 90	305	1	15 GL	COMBUSTIBLE LIQUID	PAINT RELATED MATERIAL
11343	10 Oct 90	217	1	5 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
342	11 Oct 90	595	2	30 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
342	11 Oct 90	594	1	12 LB	CORROSIVE MATERIAL	SODIUM HYDROXIDE FLAKE
3000	11 Oct 90	1402	2	65 GL	FLAMMABLE LIQUID	PAINT
3000	11 Oct 90	1404	1	6 GL	COMBUSTIBLE LIQUID	COMBUSTIBLE LIQUID NOS
6605	11 Oct 90	198	1	17 LB	FLAMMABLE GAS	COMPRESSED GAS NOS
6605	11 Oct 90	199	1	17 LB	FLAMMABLE LIQUID	COMPRESSED GAS NOS
6605	11 Oct 90	203	1	5 GL	FLAMMABLE LIQUID	METHYL ALCOHOL
6605	11 Oct 90	200	1	20 LB	FLAMMABLE LIQUID	COMPRESSED GAS NOS
6605	11 Oct 90	197	1	79 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
6605	11 Oct 90	202	1	18 LB	FLAMMABLE SOLID	FLAMMABLE SOLID NOS
10726	12 Oct 90	499	1	280 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
6605	14 Oct 90	248	1	113 LB	ORM-E	HAZARDOUS WASTE SOLID NOS

VANDENBERG AIR FORCE BASE HAZARDOUS WASTE EXCEEDING 90 DAY STORAGE LIMIT AS OF 24 October 1990

CAP	DUE DATE	SERIAL NUMBER	NO OF DRUMS	QUANTITY	HAZARD CLASS	SHIPPING NAME
11343	14 Oct 90	240	2	110 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
11343	14 Oct 90	236	5	228 LB	ORM-E	HAZARDOUS WASTE LIQUID NOS (RESIDUE)
11343	14 Oct 90	361	1	63 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	14 Oct 90	355	1	13 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
11343	14 Oct 90	237	1	25 GL	CORROSIVE LIQUID	SODIUM HYDROXIDE SOLUTION
11343	14 Oct 90	238	1	25 GL	OXIDIZER	SODIUM NITRITE SOLUTION
11343	14 Oct 90	246	2	110 GL	COMBUSTIBLE LIQUID	PAINT
3000	15 Oct 90	1448	1	3 GL	FLAMMABLE LIQUID	FLAMMABLE LIQUID NOS
3000	15 Oct 90	1447	1	100 LB	ORM-E	HAZARDOUS WASTE LIQUID NOS (RESIDUE)
3000	15 Oct 90	1446	1	210 LB	ORM-E	HAZARDOUS WASTE LIQUID NOS (RESIDUE)
6605	15 Oct 90	209	1	5 LB	FLAMMABLE LIQUID	COMPRESSED GAS NOS
6605	15 Oct 90	208	1	6 LB	FLAMMABLE LIQUID	COMPRESSED GAS NOS
6605	15 Oct 90	206	1	1 GL	FLAMMABLE LIQUID	METHYL ETHYL KETONE
6605	15 Oct 90	183	1	1 GL	CORROSIVE MATERIAL	ALKALINE LIQUID NOS
6605	15 Oct 90	184	1	8 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	15 Oct 90	307	1	55 GL	COMBUSTIBLE LIQUID	PAINT
342	16 Oct 90	600	1	30 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
342	16 Oct 90	603	1	2 GL	COMBUSTIBLE LIQUID	COMBUSTIBLE LIQUID NOS
6605	16 Oct 90	210	5	109 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
6605	16 Oct 90	196	1	7 GL	CORROSIVE LIQUID	COMPOUND RUST PREVENTING
6605	16 Oct 90	211	1	144 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
6605	16 Oct 90	221	1	1 GL	FLAMMABLE LIQUID	111 TRICHLOROETHANE
6605	16 Oct 90	220	1	1 GL	CORROSIVE MATERIAL	PAINT RELATED MATERIAL
6605	16 Oct 90	219	1	20 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
6605	16 Oct 90	218	1	15 LB	FLAMMABLE LIQUID	FLAMMABLE LIQUID NOS
6605	16 Oct 90	217	1	5 LB	CORROSIVE MATERIAL	CORROSIVE SOLID NOS
6605	16 Oct 90	216	1	2 GL	FLAMMABLE LIQUID	PAINT RELATED MATERIAL
6605	16 Oct 90	214	1	4 GL	CORROSIVE MATERIAL	COMPOUND RUST PREVENTING
6605	16 Oct 90	212	1	1 GL	OXIDIZER	NITRIC ACID (OVER 40%)
6605	16 Oct 90	222	1	36 LB	FLAMMABLE SOLID	FLAMMABLE SOLID NOS
6605	16 Oct 90	215	1	1 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
10726	16 Oct 90	512	1	55 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
10726	16 Oct 90	517	1	39 GL	FLAMMABLE GAS	PAINT RELATED MATERIAL
342	17 Oct 90	604	1	15 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
1628	17 Oct 90	50	1	9 GL	ORM-E	PETROLEUM OIL NOS
1628	17 Oct 90	49	1	60 LB	FLAMMABLE LIQUID	METHYL ETHYL KETONE (RESIDUE)
1628	17 Oct 90	48	1	60 LB	FLAMMABLE LIQUID	ISOPROPANOL (RESIDUE)
1628	17 Oct 90	47	1	60 LB	ORM-A	TRICHLOROETHYLENE (RESIDUE)
1628	17 Oct 90	46	1	310 LB	FLAMMABLE SOLID	FLAMMABLE SOLID NOS
1628	17 Oct 90	45	1	9 GL	CORROSIVE MATERIAL	ACID LIQUID NOS
1628	17 Oct 90	44	1	14 GL	ORM-A	TRICHLOROETHYLENE
6605	17 Oct 90	225	1	2 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
6605	17 Oct 90	224	1	2 GL	COMBUSTIBLE LIQUID	COMBUSTIBLE LIQUID NOS
11343	17 Oct 90	252	1	15 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
11343	17 Oct 90	253	1	100 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	17 Oct 90	247	1	113 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	17 Oct 90	306	2	70 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
11343	17 Oct 90	369	1	20 GL	ORM-E	H-ZARDOUS WASTE LIQUID NOS
342	18 Oct 90	606	1	3 GL	FLAMMABLE LIQUID	PAINT RELATED MATERIAL

VANDENBERG AIR FORCE BASE HAZARDOUS WASTE EXCEEDING 90 DAY STORAGE LIMIT AS OF 24 October 1990

CAP	DUE DATE	SERIAL NUMBER	NO OF DRUMS	QUANTITY	HAZARD CLASS	SHIPPING NAME
342	18 Oct 90	608	1	4 GL	COMBUSTIBLE LIQUID	NAPTHA
342	18 Oct 90	609	1	3 GL	CORROSIVE MATERIAL	HYDROCHLORIC ACID SOLUTION
342	18 Oct 90	605	1	286 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
342	18 Oct 90	607	1	10 GL	FLAMMABLE LIQUID	ISOPROPANOL SOLUTION
3000	18 Oct 90	1452	2	275 LB	ORM-E	HAZRDOS WASTE SOLID NOS
3000	18 Oct 90	1450	1	51 LB	ORM-E	HAZARDOUS WASTE LIQUID NOS
3000	18 Oct 90	1451	1	3 GL	COMBUSTIBLE LIQUID	FUEL OIL
3000	18 Oct 90	1454	1	5 GL	FLAMMABLE LIQUID	FLAMMABLE LIQUID NOS
3000	18 Oct 90	1455	1	652 LB	ORM-E	HAZARDOUS WASTE SOLID
3000	18 Oct 90	1456	1	587 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
3000	18 Oct 90	1457	1	40 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
6605	18 Oct 90	233	1	3 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
6605	18 Oct 90	236	3	625 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
6605	18 Oct 90	229	1	20 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
6605	18 Oct 90	232	1	1 LB	CORROSIVE MATERIAL	CORROSIVE SOLID NOS
6605	18 Oct 90	235	1	540 LB	ORM-E	HAZARDOUS SUBSTANCE NOS
6605	18 Oct 90	237	1	7 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
6605	18 Oct 90	234	1	1 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
6605	18 Oct 90	228	1	25 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
6605	18 Oct 90	231	1	1 GL	CORROSIVE MATERIAL	POTASSIUM HYDROXIDE SOLUTION
6605	18 Oct 90	230	1	7 LB	CORROSIVE MATERIAL	BATTERY ELECTRIC STORAGE (RESIDUE)
10726	18 Oct 90	497	1	117 LB	FLAMMABLE LIQUID	PAINT RELATED MATERIAL
11343	18 Oct 90	251	1	22 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
11343	18 Oct 90	254	1	20 LB	ORM-E	HAZARDOUS SUBSTANCE NOS (RESIDUE)
11343	18 Oct 90	255	1	52 LB	FLAMMABLE SOLID	CEMENT ROOFING LIQUID (RESIDUE)
11343	18 Oct 90	250	1	15 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
11343	18 Oct 90	248	1	13 LB	ORM-E	HAZARDOUS SUBSTANCE NOS (RESIDUE)
10726	19 Oct 90	491	1	13 LB	CORROSIVE LIQUID	PAINT RELATED MATERIAL (RESIDUE)
11343	19 Oct 90	256	2	58 LB	FLAMMABLE SOLID	PAINT RELATED MATERIAL (RESIDUE)
11343	19 Oct 90	271	1	72 LB	FLAMMABLE SOLID	ADHESIVE
11343	19 Oct 90	262	2	56 LB	ORM-E	HAZARDOUS WASTE LIQUID NOS (RESIDUE)
11343	19 Oct 90	268	1	80 GL	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	19 Oct 90	260	1	61 LB	OXIDIZER	POTASSIUM PERMANGANATE MIXTURE
11343	19 Oct 90	257	2	236 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	19 Oct 90	269	1	126 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	19 Oct 90	270	1	225 LB	COMBUSTIBLE LIQUID	ADHESIVE
11343	19 Oct 90	258	4	767 LB	ORM-C	PESTICIDE
11343	19 Oct 90	267	1	100 LB	ORM-E	HAZARDOUS WASTE SOLID NOS (RESIDUE)
11343	19 Oct 90	264	1	10 LB	FLAMMABLE SOLID	ALCOHOL NOS (RESIDUE)
11343	19 Oct 90	272	1	390 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	19 Oct 90	261	1	15 GL	CORROSIVE LIQUID	ALKALINE LIQUID NOS
11343	19 Oct 90	259	5	396 LB	COMBUSTIBLE	PAINT
11343	19 Oct 90	266	1	100 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
3000	21 Oct 90	1461	1	15 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
3000	21 Oct 90	1460	1	25 GL	FLAMMABLE LIQUID	FLAMMABLE LIQUID NOS
3000	21 Oct 90	1459	1	70 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
3000	21 Oct 90	1458	1	60 LB	FLAMMABLE GAS	COMPRESSED GAS NOS
6605	21 Oct 90	241	1	73 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
6605	21 Oct 90	240	1	2 LB	ORM-E	HAZARDOUS WASTE SOLID NOS

VANDENBERG AIR FORCE BASE HAZARDOUS WASTE EXCEEDING 90 DAY STORAGE LIMIT AS OF 24 October 1990

CAP	DUE DATE	SERIAL NUMBER	NO OF DRUMS	QUANTITY	HAZARD CLASS	SHIPPING NAME
6605	21 Oct 90	239	1	5 GL	FLAMMABLE LIQUID	PAINT
10726	21 Oct 90	492	1	287 LB	ORM-E	HAZARDOUS WASTE LIQUID NOS (RESIDUE
10726	21 Oct 90	493	1	98 LB	ORM-E	HAZARDOUS WASTE LIQUID NOS
11343	21 Oct 90	276	1	14 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
11343	21 Oct 90	274	2	110 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
11343	21 Oct 90	289	1	15 GL	COMBUSTIBLE LIQUID	PAINT RELATED MATERIAL
11343	21 Oct 90	263	1	5 GL	FLAMMABLE LIQUID	ALCOHOL NOS
11343	21 Oct 90	273	1	5 GL	CORROSIVE LIQUID	SODIUM HYDROXIDE SOLUTION
11343	21 Oct 90	280	1	55 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
11343	21 Oct 90	281	1	116 LB	FLAMMABLE SOLID	ADHESIVE
11343	21 Oct 90	279	1	100 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	21 Oct 90	278	1	240 LB	FLAMMABLE SOLID	ADHESIVE
342	22 Oct 90	616	1	4 GL	ORM-A	ORM-A NOS
342	22 Oct 90	631	1	454 LB	FLAMMABLE SOLID	FLAMMABLE SOLID NOS
342	22 Oct 90	610	1	2 GL	FLAMMABLE LIQUID	PAINT RELATED MATERIAL
342	22 Oct 90	614	1	4 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
342	22 Oct 90	615	1	40 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
3000	22 Oct 90	1464	1	15 GL	COMBUSTIBLE LIQUID	COMBUSTIBLE LIQUID NOS
3000	22 Oct 90	1465	1	21 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
8337	22 Oct 90	1462	2	106 GL	FLAMMABLE LIQUID	FLAMMABLE LIQUID NOS
11343	22 Oct 90	286	1	30 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	22 Oct 90	288	1	95 LB	ORM-E	ALKALINE LIQUID NOS
11343	22 Oct 90	290	1	3 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
11343	22 Oct 90	287	1	435 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	22 Oct 90	329	2	35 GL	COMBUSTIBLE LIQUID	PAINT
342	23 Oct 90	618	1	8 LB	ORM-E	HAZARDOUS WASTE LIQUID NOS (RESIDUE
342	23 Oct 90	623	1	53 LB	ORM-E	HAZARDOUS WASTE LIQUID NOS (RESIDUE
342	23 Oct 90	621	2	55 LB	ORM-E	HAZARDOUS WASTE LIQUID NOS (RESIDUE
342	23 Oct 90	619	2	60 LB	ORM-E	HAZARDOUS WASTE LIQUID NOS (RESIDUE
342	23 Oct 90	624	6	300 LB	ORM-E	HAZARDOUS WASTE LIQUID NOS (RESIDUE)
3000	23 Oct 90	1466	1	51 LB	FLAMMABLE LIQUID	PAINT RELATED MATERIAL (RESIDUE)
6605	23 Oct 90	242	1	7 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	23 Oct 90	295	3	125 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
11343	23 Oct 90	296	1	17 LB	FLAMMABLE SOLID	ADHESIVE
11343	23 Oct 90	291	10	550 LB	ORM-E	HAZARDOUS WASTE LIQUID NOS (RESIDUE
11343	23 Oct 90	292	2	90 LB	COMBUSTIBLE LIQUID	PAINT
11343	23 Oct 90	294	3	225 LB	COMBUSTIBLE LIQUID	ADHESIVE
11343	23 Oct 90	299	1	21 LB	ORM-E	POTASSIUM PERMANGANATE MIXTURE
11343	23 Oct 90	298	1	134 LB	COMBUSTIBLE LIQUID	ADHESIVE
11343	23 Oct 90	297	1	32 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	23 Oct 90	378	1	288 LB	CORROSIVE MATERIAL	BATTERY DRY
11343	23 Oct 90	293	2	125 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
11343	23 Oct 90	301	1	60 LB	ORM-E	HAZARDOUS WASTE SOLID NOS
342	24 Oct 90	637	1	5 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
342	24 Oct 90	636	1	6 GL	FLAMMABLE LIQUID	ADHESIVE
342	24 Oct 90	633	1	17 LB	FLAMMABLE GAS	COMPRESSED GAS NOS
342	24 Oct 90	634	1	25 LB	OXIDIZER	CHROMIC ACID MIXTURE DRY
342	24 Oct 90	635	1	2 GL	COMBUSTIBLE LIQUID	ADHESIVE
342	24 Oct 90	632	1	4 LB	FLAMMABLE GAS	COMPRESSED GAS NOS

VANDENBERG AIR FORCE BASE HAZARDOUS WASTE EXCEEDING 90 DAY STORAGE LIMIT AS OF 24 October 1990

CAP	DUE DATE	SERIAL NUMBER	NO OF DRUMS	QUANTITY	HAZARD CLASS	SHIPPING NAME
6605	24 Oct 90	243	1	15 GL	FLAMMABLE LIQUID	PAINT RELATED MATERIAL
6605	24 Oct 90	244	1	3 GL	ORM-E	HAZARDOUS WASTE LIQUID NOS
11343	24 Oct 90	302	1	1 GL	FLAMMABLE LIQUID	TETRACHLOROETHYLENE
11343	24 Oct 90	303	1	1 GL	FLAMMABLE LIQUID	ISOPROPANOL
TOTAL DRUMS:			341			

Attachment 5

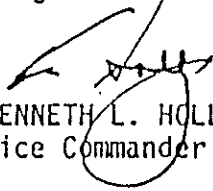
VAFB Environmental Policy Memo - 6 pages.

STRATEGIC AIR COMMAND

DATE: 4 May 1990

TO: Det 41, 00-ALC

Maj Gen Jameson has just sent the attached letter to each of his key subordinate commanders. I'm providing a copy to you because I believe you should know exactly how he feels about environmental awareness and compliance. As you know, your responsibilities under the law are the same as those of the SAC Commanders--and 1 STRAD/ET is responsible for providing you the same level of staff support. I encourage you to call upon their expertise as you manage the environmental compliance program within your organization.


KENNETH L. HOLLINGA, Col, USAF
Vice Commander

1 Atch
1 STRAD/CC Ltr,
3 May 90, w/2
Atch

VICE COMMANDER 1 STRAD

VANDENBERG AFB CA 93437-5000



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 1ST STRATEGIC AEROSPACE DIVISION (SAC)
VANDENBERG AIR FORCE BASE, CALIFORNIA 93437-5000

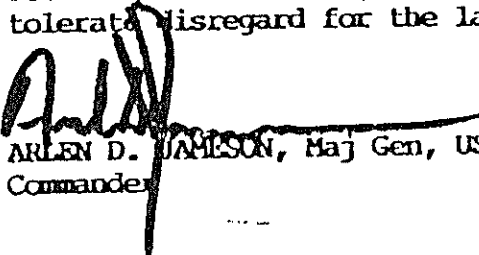
3 MAY 1990

REPLY TO
ATTN OF CC

SUBJECT Environmental Management Policy

TO

1. I am forwarding you a copy of Secretary Cheney's declared environmental policy. I want you to know that I fully support his policy, and I expect you and your people to do the same. I am not satisfied that we're doing our best in this area because problems continue to occur. The fact is that we are wasting time and money on inquiries and investigations concerning our failures to comply with environmental laws. I want it to stop.
2. I view environmental compliance as a function of command—it can't be any other way. Consequently, you need to take the steps necessary to instill in your organization an attitude of responsibility for compliance with environmental regulations. This will require motivation, training and, if necessary, disciplinary action against violators. You may want to consider appointing an environmental coordinator to monitor environmental compliance in your organization as an additional duty. Bring to bear the principles of TQM in the area of organization environmental compliance with an objective of doing it right the first time. I have an environmental staff to advise you, but let there be no doubt that I view compliance as your responsibility. It may help you to think of ET's role as being similar to that performed by safety. The safety staff provides training, motivation, staff assistance, and spot checks—but the ultimate responsibility for safety rests with commanders. The environmental compliance area is no different.
3. I am providing an environmental program talking paper for your use in getting out the environmental message to your organization. Feel free to use it. Additionally, there are many excellent environmental training courses available; I encourage organization management to attend appropriate courses. The environmental management staff can recommend appropriate courses.
4. The environment is a worldwide issue. We can expect an ever-increasing regulatory intensity as we take additional steps to solve our environmental problems—problems that will only get tougher to work. Simply put, I expect Vandenberg's leadership to be smart when it comes to the environment and to ensure all of our people understand. Since many of these laws and regulations are complicated, I reiterate the availability of my environmental staff to answer questions and provide assistance. Under no circumstances will I tolerate disregard for the law.


ARLEN D. JAMESON, Maj Gen, USAF
Commander

- 2 Atch
1. Secretary Cheney's Memo,
10 Oct 89
2. Talking Paper



THE SECRETARY OF DEFENSE
WASHINGTON, THE DISTRICT OF COLUMBIA

10 OCT 1989

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS

SUBJECT: Environmental Management Policy

This Administration wants the United States to be the world leader in addressing environmental problems and I want the Department of Defense to be the Federal leader in agency environmental compliance and protection.

Federal facilities, including military bases, must meet environmental standards. Congress has repeatedly expressed a similar sentiment. As the largest Federal agency, the Department of Defense has a great responsibility to meet this challenge. It must be a command priority at all levels. We must demonstrate commitment with accountability for responding to the Nation's environmental agenda. I want every command to be an environmental standard by which Federal agencies are judged.

The first priority of our environmental policy must be to integrate and budget environmental considerations into our activities and operations. This will decrease our future liabilities and costs for our people. The effort begins and ends with our people. We need the right people at the right place with the right training.

It is also extremely important that we communicate clearly what we are doing to address our environmental concerns. We need to work harder at telling our environmental success stories and solving our problems in an open, cooperative way with the public and also appropriate regulatory authorities. The universal recognition of effective DoD environmental compliance and stewardship activities is the surest way to maintain our access to the air, land, and water we need to maintain and improve our mission capability.

We must be fully committed to do our part to meet the worldwide environmental challenge and I know I can count on your support to ensure that we are successful in that effort.

A handwritten signature in cursive script, reading "Paul Cheney".

Atch 1

TALKING PAPER
ON
ENVIRONMENTAL COMPLIANCE

- VAFB is different from most other bases
 - All the features and protection of a national park
 - Last of the undeveloped coastline from central coast to Mexico
 - Rich in resources
 - Wildlife
 - Archaeological
 - Dunes, wetlands
- VAFB is required to comply with all federal, state, and county laws
- Secretary Cheney's Environmental Policy
 - Maj Gen Jameson fully supports
 - Increased environmental awareness
 - Significant new legislation in every aspect of the environment
 - Breaking the law to accomplish the mission will result in huge fines/jail
 - Individuals now held liable
- General rules
 - Nothing should be poured on the ground or in water that will not meet drinking water standards
 - Avoid digging or ground disturbances unless the proper permits are obtained and in hand
 - Avoid emitting contaminants to the atmosphere. Make sure that pieces of equipment (generators, sandblasters, paint operations, boilers, etc) have appropriate air permits, and that the permit requirements are followed to the letter. Do not violate the stipulations of the permit. If the permit will not allow you to perform your mission, contact EF.
 - Avoid damage to plants and trees; obtain written clearance when damage will occur because of operations
 - All construction activities must have proper permits prior to work or contractual obligations

- Participate in the recycling program
- Become familiar with outdoor recreation regulations (hunting, fishing, off-road vehicles) as applicable
- Wildlife
 - Several endangered or protected species live on VAFB
 - Avoid disturbances to marine mammals (sea lions, seals, and endangered species)
 - May not possess any part of an endangered or protected animal
 - Areas of beach restricted during least tern nesting season (15 Apr - 31 Aug)
 - Restrictions are sometimes seasonal, so pay attention to articles in the base newspaper
 - Bottom line: leave wildlife alone unless authorized hunting
- Archaeological resources
 - VAFB is a very rich historical and cultural area
 - Do not disturb or remove any archaeological artifacts or sites
 - If you find an artifact, leave it in place
 - Metal detectors are not allowed on VAFB
- Dunes and wetlands are protected by several laws
 - Operate ORV's only in the ORV area
 - Wetlands may not be filled or dredged, or disturbed—be able to recognize a wetland
- Hazardous waste
 - Used motor oil collection point is at BX gas station or at Auto Hobby Shop
 - Fluorescent bulbs (contains mercury, phosphorus) disposed of by crushing at ET in special crusher
 - Household hazardous waste (paint cans, oven cleaner, pesticides, etc) are collected free of charge. Watch the Missileer and the base cable TV channel for details
- Recycling
 - Mandatory because of new federal laws requiring drastic reductions in solid waste (25 percent by 1995, 50 percent by 2000)

- Curbside collections every Wednesday morning
- MWR runs program. See Missileer for details
- Air quality
 - Most tightly regulated county in the US
 - Don't burn anything outdoors (e.g. leaves) (except charcoal grills)
 - Don't operate any machine which puts any substance into the air, either pollutants or particles, without asking about permit status first
 - Can be held personally liable (fines, even jail)
- Everyone has the responsibility for compliance

Attachment 6

List of identification #s on Hazardous Waste Labels found in a trash can --
1 page.

#3 from labels

SK-3-89-0380

0616

0049

0079

0615

0736

1050

0063

0699

0725

089

016

93

92

483

91

69

87

700

415

1052

482

Attachment 7

Manifest # 90270883 showing improper LDR information - 8 pages.

30 MAY 1990

90270883

IN CASE OF AN EMERGENCY OR SPILL CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

IN CASE OF AN EMERGENCY OR SPILL CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C 7957002514991010187	Manifest Document No. 1010187	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address PRM Vanderburg, Inc. P.O. Box 5127 Vanderburg, CA 91343				A. State Manifest Document Number 90270883		
4. Generator's Phone (845) 861-9431 (2711) 8013497011				B. State Generator's ID 11871036020982		
5. Transporter 1 Company Name Environmental Transport Service				C. State Transporter's ID 007466		
6. US EPA ID Number PKD781605363				D. Transporter's Phone 4136778781		
7. Transporter 2 Company Name				E. State Transporter's ID		
8. US EPA ID Number				F. Transporter's Phone		
9. Designated Facility Name and Site Address GSA Route 11 Box 23 Acidville, NC 27326				G. State Facility's ID		
10. US EPA ID Number 14902906424511				H. Facility's Phone 9193425568		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	
a. Waste Flammable liquid, n.o.s. Flammable liquid, n.o.s. (D01, R2, R3) (C 14902906424511)		001 DM 00032 G			State 281 EPA/Other 201107105	
b. Waste Flammable Liquid, Corrosive, n.o.s. Flammable liquid, n.o.s. (D01, R2, R3) (C 14902906424511)		001 DM 00043 G			State 211, 212 EPA/Other 201107105	
c. Waste Flammable liquid, n.o.s. Flammable liquid, n.o.s. (D01, R2, R3) (C 14902906424511)		001 DM 00069 G			State 211, 212 EPA/Other 201107105	
d. Waste Flammable liquid, n.o.s. Flammable liquid, n.o.s. (D01, R2, R3) (C 14902906424511)		001 DM 00024 G			State 211, 212 EPA/Other 2001103105	
J. Additional Descriptions for Materials Listed Above A) RFI49152 Lab Pack-2D B) RFI49153 Lab Pack-2B C) RFI49154 Lab Pack-2E D) RFI49155 Lab Pack-2A		DETAILS POB 11539 DOB 139-149 Truck HD26		K. Handling Codes for Wastes Listed Above a. 14 b. 14 c. 14 d. 14		
15. Special Handling Instructions and Additional Information GSA is a hazardous waste contractor. Please write all letters or correspondence to: GSA, P.O. Box 140, Snakeville, WI 53080						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name Denny Kowalski		Signature Denny Kowalski		Month Day Year 05/11/90		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name Troy Hickman		Signature Troy W Hickman		Month Day Year 10/51/1990		
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name Thomas W. Geller		Signature Thomas W Geller		Month Day Year 05/11/1990		

Do Not Write Below This Line

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

California Health and Welfare Agency
Approved OMB No. 2050-0039 (Expires 9-30-91)
Print of type (Form designed for use on elite (12-pitch typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page of	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address		4. Generator's Phone		A. State Manifest Document Number	
5. Transporter 1 Company Name		6. US EPA ID Number		B. State Generator's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID	
9. Designated Facility Name and Site Address		10. US EPA ID Number		D. Transporter's Phone	
				E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit	I. Waste No.
		No.	Type	Quantity	Wt/Vol
a. <i>HAZARDOUS LIQUID, CORROSIVE</i>		1	DM	32	G
b. <i>HAZARDOUS LIQUID, CORROSIVE</i>		1	DM	43	G
c. <i>HAZARDOUS LIQUID, CORROSIVE</i>		1	DM	49	G
d. <i>HAZARDOUS LIQUID, CORROSIVE</i>		1	DM	24	G
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
1. <i>HAZARDOUS LIQUID, CORROSIVE</i>		a. <i>14</i>		b. <i>14</i>	
2. <i>HAZARDOUS LIQUID, CORROSIVE</i>		c. <i>14</i>		d. <i>14</i>	
3. <i>HAZARDOUS LIQUID, CORROSIVE</i>					
4. <i>HAZARDOUS LIQUID, CORROSIVE</i>					
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name		Signature		Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		Month Day Year	

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL FIRE PROTECTION CENTER 1-800-882-7550

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS



CUSTOMER NOTIFICATION AND CERTIFICATION

File

ONLY STATEMENTS WITH ORIGINAL SIGNATURES WILL BE ACCEPTED!

Generator Name/Location: DRMO Vandenberg AFB, Vandenberg CA 93437EPA ID Number: CA9570075149Waste Profile or ARF Number: RP149152Manifest Number: 90270883EPA Hazardous Waste Number(s): (DCU1) ()Waste Analysis Available? Yes ☐ No ☒ If yes, please attach copy.☒ Unrestricted Waste Notification (Category 1)

I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste is not restricted as specified in 40 CFR 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d).

☐ Restricted Waste Notification (Category 2)

I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment standards specified in 40 CFR 268, Subpart D.

—(2A) Waste must be treated by the appropriate regulatory treatment standard or in such a manner which renders it non-liquid by chemical fixation or solidification prior to land disposal. Corresponding treatment standard _____

—(2B) Waste is subject to 40 CFR 268.7(a)(4) and landfilling or placing in a surface impoundment is not allowed unless conditions of category 5 below are met.

☐ Restricted Waste Variance Certification/Notification (Category 3)

I notify pursuant to 40 CFR 268.7(a)(3) and certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Applicable Variance: _____

☐ Treated Waste Certification (Category 4)

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

☐ Soft Hammer Waste Certification (Category 5)

—(5A) I certify under penalty of law that the requirements of 40 CFR 268.8(a)(1) have been met and that disposal in a landfill or surface impoundment is the only practical alternative to treatment currently available. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

—(5B) I certify under penalty of law that the requirements of 40 CFR 268.8(a)(1) have been met and that I have contracted to treat my waste (or will otherwise provide treatment) by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

—(5C) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with treatment as specified in the generator's demonstration. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

☐ Restricted Waste Notification (Category 6)

I notify that I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment standards specified in 40 CFR 268, Subpart D.

SIGNATURE: Lucie HooverDATE: 5/11/90PRINT NAME: LUCIE HOOVERTITLE: Field Chemist / COR

June 1989

Generator Name/Location: PRIMO Vandenberg AFB Vandenberg CA 93437
EPA ID Number: C119570075149 Manifest Number: 90270883

Drum Number,
Waste Profile
or ARF Number

Category No.

State EPA
Waste Number(s)

Corresponding Treatment Standard/ Applicable Variance/Other Information

[illegible]

SIGNATURE: Tuan Hrah Henry Lim

DATE: 5/11/90

PRINT NAME: LUCIE HUCKER BROWN LOWME

TITLE: Field Chemist / COR.

-ONLY ORIGINAL SIGNATURES WILL BE ACCEPTED!

September 23, 1988

For Treatment Standards Expressed as Concentration, Please Enter the Legend Number from the Legend Below for the Constituents contained in the Waste.

LEGEND FOR TREATMENT STANDARDS EXPRESSED AS CONCENTRATION

TABLE CCWE-CONSTITUENTS IN WASTE EXTRACT

		Concentration (in mg/l)			
FC01-F005 spent solvents		Waste Water Containing Spent Solvents	All other Spent Solvent Wastes	F020-F023 and F026-F028 dioxin Containing Waste	
Legend #	Constituent Name			Legend #	Constituent Name
1	Acetone.....	0.05	0.59	27	HxCDD-All Hexachlorodibenzo-p-dioxins.....
2	n-Butyl alcohol.....	5.0	5.0	28	HxCDF-All Hexachlorodibenzofurans.....
3	Carbon disulfide.....	1.05	4.81	29	PeCdd-All Pentachlorodibenzo-p-dioxins.....
4	Carbon tetrachloride.....	.05	.96	30	PeCDF-All Pentachlorodibenzofurans.....
5	Chlorobenzene.....	.15	.05	31	TCDD-All Tetrachlorodibenzo-p-dioxins.....
6	Cresols (and cresylic acid).....	2.82	.75	32	TCDF-All Tetrachlorodibenzofurans.....
7	Cyclohexanone.....	.125	.75	33	2,4,5-Trichlorophenol.....
8	1,2-dichlorobenzene.....	.65	.125	34	2,4,6-Trichlorophenol.....
9	Ethyl acetate.....	.05	.75	35	2,3,4,6-Tetrachlorophenol.....
10	Ethyl benzene.....	.05	.053	36	Pentachlorophenol.....
11	Ethyl ether.....	.05	.75		
12	Isobutanol.....	5.0	5.0		
13	Methanol.....	.25	.75		
14	Methylene chloride.....	.20	.96		
15	Methylene chloride (from the pharmaceutical industry).....	12.7	.96		
16	Methyl ethyl ketone.....	0.05	0.75		
17	Methyl isobutyl ketone.....	0.05	0.33		
18	Nitrobenzene.....	0.66	0.125		
19	Pyridine.....	1.12	0.33		
20	Tetrachloroethylene.....	0.079	0.05		
21	Toluene.....	1.12	0.33		
22	1,1,1-Trichloroethane.....	1.05	0.41		
23	1,2,2-trichloro-1,2,2-trifluoroethane.....	1.05	0.96		
24	Trichloroethylene.....	0.062	0.091		
25	Trichlorofluoromethane.....	0.05	0.96		
26	Xylene.....	0.05	0.15		

(Continued on following pages)

(Continued on following pages)



Container Contents

☐ Bulk

☐ Mixed Lab
GENERATOR DRMO Vandenberg NFECONTRACT NO. DLA0009PROFILE NO. RP149153
 REIDSVILLE DRUM NO. _____
 (TO BE FILLED IN BY FACILITY)

 No Radioactive, Pathogenic,
 Infectious, Explosive, PCB's or
 Dioxin in this container.

 (TO BE FILLED IN
 BY FACILITY)

Container Number: <u>DRUM 2B</u>		Chemist
OT Shipping Name: <u>Waste Paint Related material</u>		
Container Type: <u>DM</u>	UN/NA Number: <u>UN1263</u>	HM
Hazard Class: <u>Flammable Liquid</u>		

Line No.	Chemical Name	D.O. No.	D.O. Description	Liquid or Solid	HIN #	CLIN #	Container Size and Number	D.O. Quantity	EPA Code	Disposal Site	Outgoing Manifest
01	Paint	139		L	4732	0010	2 x 1 G	2 G	D001 FC03		
02	"	139		L	4732	0029	14 x 1 G	14 G	" "		
03	"	139		L	4500	0032	27 x 1 G	26 G	" "		
04	acid - 2nd Part of Paint	139		L	4500	0032	4 x 1 G	1 G	D002		
05											
06											
07											
08											
09											
10											
11											
12											
13											
14											

Pack list continues

Yes

No

This is page

of



Container Contents

☐ Bulk

☒ Mixed Lab

GENERATOR DRMO Vandenberg AFB

CONTRACT NO. DLA0009

PROFILE NO. RP149154

REIDSVILLE DRUM NO. _____
(TO BE FILLED IN BY FACILITY)

No Radioactive, Pathogenic,
Infectious, Explosive, PCB's or
Dioxin in this container.

(TO BE FILLED IN
BY FACILITY)

Container Number: <u>Drum 2E</u>		Chemist: <u>SH</u>
DOT Shipping Name: <u>Waste flammable liquid, n.s.</u>		
Container Type: <u>DM</u>	UN/NA Number: <u>UN1993</u>	HM
Hazard Class: <u>flammable liquid</u>		

Line No.	A Chemical Name	B D.O. No.	C D.O. Description	D Liquid or Solid	E HIN #	F CLIN #	G Container Size and Number	H D.O. Quantity	I EPA Code	J Disposal Site	K Outgoing Manifest
01	<u>Solvents</u>	<u>139</u>		<u>L</u>	<u>4500</u>	<u>0019</u>	<u>9 x 1 G</u>	<u>9 G</u>	<u>P001 F003 CWS</u>		
02											
03											
04											
05											
06											
07											
08											
09											
10											
11											
12											
13											
14											

Each Pack list continues

Yes ☐ No ☒

This is page 1 of 1

Container Contents

☒ Bulk

☐ Mixed Lab
GENERATOR DRMO Vandenberg AFBCONTRACT NO. DLA0009PROFILE NO. RP149/55
 REIDSVILLE DRUM NO. _____
 (TO BE FILLED IN BY FACILITY)

 No Radioactive, Pathogenic,
 Infectious, Explosive, PCB's or
 Dioxin in this container.

 (TO BE FILLED IN
 BY FACILITY)

Container Number: <u>DRUM 2A</u>		Chemist: <u>elt</u>
DOT Shipping Name: <u>Waste flammable liquid, n.o.s.</u>		
Container Type: <u>DM</u>	UN/NA Number: <u>UN1993</u>	HM
Hazard Class: <u>Flammable liquid</u>		

Line No.	A Chemical Name	B D.O. No.	C D.O. Description	D Liquid or Solid	E HIN #	F CLIN #	G Container Size and Number	H D.O. Quantity	I EPA Code	J Disposal Site	K Outgoing Manifest
01	Paint	139		L	4732	0029	14 x 1 G	14 G	D01 F003 C05		
02	"	139		L	4500	0032	2 x 1 G	2 G	"		
03	Paint	139		L	3105	0030	8 x 1 G	8 G	NA		
04											
05											
06											
07											
08											
09											
10											
11											
12											
13											
14											

Lab Pack list continues

Yes

No

This is page / of

GOVERNMENT SERVICES

Container Contents

☐ Bulk☒ Mixed LabGENERATOR DRmo. Vandenberg AFBCONTRACT NO. DLA 0009PROFILE NO. RP149152REIDSVILLE DRUM NO. _____
(TO BE FILLED IN BY FACILITY)No Radioactive, Pathogenic,
Infectious, Explosive, PCB's or
Dioxin in this container.(TO BE FILLED IN
BY FACILITY)

Container Number: <u>Drum 2 D</u>	Chemist: <u>LA</u>
DT Shipping Name: <u>White flammable liquid, nos</u>	
Container Type: <u>DM</u>	UN/NA Number: <u>UN1993</u>
Hazard Class: <u>Flammable Liquid</u>	

	A	B	C	D	E	F	G	H	I	J	K
Line No.	Chemical Name	D.O. No.	D.O. Description	Liquid or Solid	HIN #	CLIN #	Container Size and Number	D.O. Quantity	EPA Code	Disposal Site	Outgoing Manifest
01	Primer	139		L	2300	0004	14 x 1 Qt	14 G	D001		
02	Adhesive	139		S	2301	0033	1 x 2 P	2 P	D001		
03	Adhesive	139		L	2300	0042	68-Tubes	8 G	D001		
04	" "	139		L	2300	0043	15-Tubes	1 G	D001		
05	" "	139		L	2300	0045	1 x 1 G	1 G	D001		
06	" "	139		L	2300	0046	1 x 1 G	1 G	D001		
07	" "	139		L	2300	0047	2 x 1 G	2 G	D001		
08	" "	139		S	2301	0048	30 Tubes	6 P	D001		
09	" "	149		L	2300	0028	2 x 1 G	2 G	D001		
10	" "	149		S	2301	0022	Tubes	4 P	D001		
11											
12											
13											
14											
15											

Lab Pack list continues

Yes

No

This is page

of

Attachment 8

Various Hazardous Waste Manifests - 45 pages.

27 MAR 1990

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. CAD9570025149170513		Manifest Document No. 3		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address ARMOR II P.O. Box 127 VANDERBILT AVE SACRAMENTO CA 95811				4. Generator's Phone (916) 866-7431		A. State Manifest Document Number 88649636		B. State Generator's ID HVHQ36030982	
5. Transporter 1 Company Name BLACK GOLD Inc				6. US EPA ID Number CAD980694186		C. State Transporter's ID 006823		D. Transporter's Phone 805-643-1634	
7. Transporter 2 Company Name BLACK GOLD Inc				8. US EPA ID Number CAD980694186		E. State Transporter's ID 006823		F. Transporter's Phone 805-643-1634	
9. Designated Facility Name and Site Address PETROLEUM RECYCLING CO 1235 EAST 29TH STREET SIGNAL HILL CA 90106				10. US EPA ID Number CAT0804411059		G. State Facility's ID CAT0804411059		H. Facility's Phone 213-575-6597	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. WASTE OIL N.O.S.				No. 401 Type FT		180 G		State 221	
b. WASTE OIL N.O.S.				No. 401 Type FT		180 G		State 221	
c. WASTE OIL N.O.S.				No. 401 Type FT		180 G		State 221	
d. WASTE OIL N.O.S.				No. 401 Type FT		180 G		State 221	
J. Additional Descriptions for Materials Listed Above 90% - OIL 10 - WATER				By: [Signature]		K. Handling Codes for Wastes Listed Above a. 01		b. 01	
15. Special Handling Instructions and Additional Information 4.4.1 Required				41-9384-026					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name LEWIS ROBERTO				Signature [Signature]		Month Day Year 03/15/90			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Scott Wolff				Signature [Signature]		Month Day Year 03/15/90			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Scott Wolff				Signature [Signature]		Month Day Year 03/16/90			
19. Discrepancy Indication Space									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Lucy Bock				Signature [Signature]		Month Day Year 03/16/90			

88649636

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL TOXIC SUBSTANCE CENTER 1-800-424-8602, WITHIN CALIFORNIA CALL 1-800-852-7550

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL TOXIC SUBSTANCE CENTER 1-800-424-8602, WITHIN CALIFORNIA CALL 1-800-852-7550

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL TOXIC SUBSTANCE CENTER 1-800-424-8602, WITHIN CALIFORNIA CALL 1-800-852-7550

Print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address J. R. MOORE 7700 BAYVIEW WILSON, CALIF 95771		4. Generator's Phone (Area) 916-771-7011		A. State Manifest Document Number 88649636	
5. Transporter 1 Company Name MARK K. GOLD INC.		6. US EPA ID Number CA001706641156		B. State Generator's ID H111H23619301942	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID 011523	
9. Designated Facility Name and Site Address 155 EAST 7TH STREET SIGNAL HILL CA 94706		10. US EPA ID Number CA001706641156		D. Transporter's Phone 405-613-1684	
				E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID CA001706641156	
				H. Facility's Phone 916-595-6577	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE OIL N.O.S.		1	1	1	State 221
b.					EPA/Other
c.					State
d.					EPA/Other
J. Additional Descriptions for Materials Listed Above 1070 - OIL 10 - WATER		K. Handling Codes for Wastes Listed Above a. 01		b.	
15. Special Handling Instructions and Additional Information 41-10-1-026					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name T. R. MOORE		Signature T. R. MOORE		Month Day Year 11/1/88	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name J. R. MOORE		Signature J. R. MOORE		Month Day Year 11/1/88	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		Month Day Year	

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

3 MAY 1990

Print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA945700251149		Manifest Document No. 910101618		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.									
3. Generator's Name and Mailing Address PRIME VENDORING AFB PO BOX 5127 VANDERBILT CA 93437						A. State Manifest Document Number 89727871											
4. Generator's Phone (815) 866-4431						B. State Generator's ID H1Y1H03B02109812											
5. Transporter 1 Company Name SOLVENT SERVICES INC. KIMD1157149413110						C. State Transporter's ID 022864											
6. US EPA ID Number						D. Transporter's Phone 408-453-6046											
7. Transporter 2 Company Name						E. State Transporter's ID											
8. US EPA ID Number						F. Transporter's Phone											
9. Designated Facility Name and Site Address Solvent Services Inc 1021 State St St. Bernys Rd San Jose, CA 95133						G. State Facility's ID C11D101571494131101											
10. US EPA ID Number						H. Facility's Phone 1408 453 6046											
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.					
a. Flammable liquid, NCS, (DCL, F003, F005) (T, F, C, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100)						011 TTX 1/3 1/16 8		G		State 212 EPA/Other DCL, F003, F005							
b.										State		EPA/Other					
c.										State		EPA/Other					
d.										State		EPA/Other					
J. Additional Descriptions for Materials Listed Above A) HAZARDOUS CML 1724 DCL 0009 TRUCK # 416 PO # 9158 DIS # 9158						K. Handling Codes for Wastes Listed Above a. 1499 b. c. d.											
15. Special Handling Instructions and Additional Information Gsx is this facility's Hazardous Waste Contractor. Please Route all mailing and Correspondence to: Gsx, PO Box 140, Sankville, WI 53080 A) 7/1/02 -																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name DAVID ESTRADA						Signature David Estrada				Month Day Year 11/4/0190							
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name Robert Forshee				Signature Robert Forshee				Month Day Year 12/4/0190			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space 11a) Waste Combustible Liquid, NCS, Combustible Liquid, NA 1995, DCL, F003, F005, DCL 0009 - EPA waste numbers 214/741 - state waste numbers 2) Pg. 110 missing																	
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Printed/Typed Name TAMI TOOMIRE				Signature Tami Toomire				Month Day Year 12/4/0190			

89727871
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR
TRANSPORTER
FACILITY

Do Not Write Below This Line

type. (Form designed for use on elite (12-pitch typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of 1

Information in the shaded areas
is not required by Federal law.

3. Generator's Name and Mailing Address

A. State Manifest Document Number

89727871

B. State Generator's ID

117110360210000

4. Generator's Phone ()

5. Transporter 1 Company Name

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

I. Waste No.

a.					State
b.					EPA/Other
c.					State
d.					EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

a.	b.
c.	d.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Month Day Year

DAVID ESTADON

[Signature]

11/9/90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Robert F. Fisher

[Signature]

11/9/90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

[Signature]

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACILITY

MANIFEST # 89727871

CONTRACT/D.O. # DLA0009 / DO#147,148

SIGNATURE Lacie H. H. H.
DATE 4/10/90

C.O.R.
SIGNATURE David L. Etting
DATE 4-10-90

MANIFEST # 89727871

CONTRACT/D.O. : DLA0009/DO#147,148

C.O.R.

SIGNATURE

DATE _____

WEIGHT RECORDED BY
United States Government
Vandenberg Air Force Base, California

DRIVER'S NAME/RANK <i>SOLVANI SERVICE</i>		DATE <i>PR90</i>	WEIGHT GROSS <i>56070</i> LB LBS GROSS LBS TARE TARE <i>32990</i> LB LBS NET <i>23080</i>
<input type="checkbox"/> SELF-MOVE <input checked="" type="checkbox"/> GBL			
COMMODITY <input type="checkbox"/> HHGS <input checked="" type="checkbox"/> OTHER (SPECIFY)			
DRIVER <input type="checkbox"/> ON <input checked="" type="checkbox"/> OFF		TRUCK NUMBER <i>1064</i>	
<input type="checkbox"/> FUEL TANK FULL <i>1/2</i>		LOAD NUMBER	
<input type="checkbox"/> DRIVER'S COUNT		REMARKS <i>DELIVERY FOR DRMO</i>	
<input type="checkbox"/> LOADER'S COUNT		<i>#002864</i>	
DRIVER/SHIPPER SIGNATURE <i>[Signature]</i>		GROSS WEIGHT	
WEIGHER'S SIGNATURE & TITLE <i>[Signature]</i>		TARE WEIGHT <i>32990 LBS</i>	

VAN FORM 687 REVISED JUN 79

WEIGHT RECORDING CERTIFICATE

U.S. G.P.O.: 1987-757-101



ONLY STATEMENTS WITH ORIGINAL SIGNATURES WILL BE ACCEPTED!

Generator Name/Location: DRMO Vandenberg AFB, PO BOX 5127, Vandenberg CA 93437EPA ID Number: CA 9570025149Waste Profile or ARF Number: AEManifest Number: 89727871EPA Hazardous Waste Number(s): (D001) (F003) F005Waste Analysis Available? Yes ☐ No ☒ If yes, please attach copy.☐ Unrestricted Waste Notification (Category 1)

I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste is not restricted as specified in 40 CFR 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d).

☒ Restricted Waste Notification (Category 2)

I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment standards specified in 40 CFR 268, Subpart D.

—(2A) Waste must be treated by the appropriate regulatory treatment standard or in such a manner which renders it non-liquid by chemical fixation or solidification prior to land disposal. Corresponding treatment standard 1, 2, 10

—(2B) Waste is subject to 40 CFR 268.7(a)(4) and landfilling or placing in a surface impoundment is not allowed unless conditions of category 5 below are met.

☐ Restricted Waste Variance Certification/Notification (Category 3)

I notify pursuant to 40 CFR 268.7(a)(3) and certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Applicable Variance: _____

☐ Treated Waste Certification (Category 4)

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

☐ Soft Hammer Waste Certification (Category 5)

—(5A) I certify under penalty of law that the requirements of 40 CFR 268.8(a)(1) have been met and that disposal in a landfill or surface impoundment is the only practical alternative to treatment currently available. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

—(5B) I certify under penalty of law that the requirements of 40 CFR 268.8(a)(1) have been met and that I have contracted to treat my waste (or will otherwise provide treatment) by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

—(5C) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with treatment as specified in the generator's demonstration. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

☐ Restricted Waste Notification (Category 6)

I notify that I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does comply with the treatment standards specified in 40 CFR 268, Subpart D.

SIGNATURE: Lucie HovorkaDATE: 4/10/90PRINT NAME: LUCIE HOVORKATITLE: Field Chemist



GSX Government Services, Inc.

P.O. Box 140
902 South Main Street
Saukville, WI 53080
(414) 284-3427

MAY 17, 1990

VANDENBERG AIR FORCE BASE
P.O. BOX 5127
VANDENBERG, CA 93437

ATTENTION: MR. BENNY ROMERO

REFERENCE: DLA200-89-D-0009/PT. HUENEME
MANIFEST NUMBER: 89727871 TO SOLVENT SERVICES CO., INC.

Dear Mr. Romero:

The purpose of this letter is to inform DRMO and you of a manifest discrepancy that occurred. Upon receiving the material indicated on California manifest 89727871, SSI checked the flash point of the incoming load and found that the waste had a flash greater than 100 degrees fahrenheit. The original DOT description was waste flammable liquid, n.o.s.

With your permission, SSI changed the manifest to read waste combustible liquid, n.o.s., combustible liquid, NA1993.

If you are in need of any additional information, please call me.

Sincerely,

A handwritten signature in black ink, appearing to read "Kurt E. Whitman". The signature is written in a cursive, flowing style with a large initial "K".

Kurt E. Whitman
Technical Coordinator

KEW/kk

cc: Lucie Hovorka

05 Oct 90

DRMQ-YDDB (Tracy Cole/(805)982-3222/tc)

SUBJECT: Manifest 89727871 Discrepancy

TO: Department of Health Services
P. O. Box 400
Sacramento, CA 95812

1. Line 11a on the subject manifest was found to have a flash point greater than 100 degrees fahrenheit by the TSD Facility. The proper shipping name should be Waste Combustible Liquid, N.O.S., Combustible Liquid, NA1993, D001, D007, D008, D009, F003, F005, State Codes 214, 741.
2. Please make this change of your copy.
3. Point of contact is David Estrada (805) 866-9431.



JOHN D. ANDREWS

Chief, Defense Reutilization and
Marketing Office, Fort Hueneme

Encl:

21 MAY 1990

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA4570928149500103
Manifest Document No.

2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address DRMO VANDERBERG AFB
PO BOX 5127
VANDERBERG CA 93437

A. State Manifest Document Number 90270871

4. Generator's Phone (805) 866 9431 (24 Hr) 801 349 7011

B. State Generator's ID 11YH936020982

5. Transporter 1 Company Name WASH Salvage Inc. 6. US EPA ID Number CAD990802493

C. State Transporter's ID 012308
D. Transporter's Phone 213 946 2931

7. Transporter 2 Company Name 8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address Petroleum Recycling Corp.
1835 E. 29th St.
Signal Hill, CA 90806 10. US EPA ID Number CAT080911059

G. State Facility's ID 11AH036017252

H. Facility's Phone 213 595 6597

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol 1. Waste No.

a. Waste Oil, n.o.s. Combustible Liquid, NA1270 (D001)

401 TT 00302 G State 221 EPA/Other DWI

b.

State EPA/Other

c.

State EPA/Other

d.

State EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

A) 9061184 (oil) FROM RECYCLING CO. D. 110004
Truck # 604
PO# 11504
By: S
Dist# 4179 DO# 143P150

a. 01 b. c. d.

15. Special Handling Instructions and Additional Information

GSX is the hazardous waste Contractor. Please route all billing and correspondence to: GSX, PO Box 140, Saukville, WI 53080 (Guide #27)

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name BENNY KEMRO Signature Month Day Year 050290

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name FADRISCO COSA Signature Month Day Year 050390

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name JOSE CADITANA Signature Month Day Year 050390

21. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Signature Month Day Year

22. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Signature Month Day Year

23. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Signature Month Day Year

24. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Signature Month Day Year

25. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Signature Month Day Year

26. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Signature Month Day Year

27. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Signature Month Day Year

28. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Signature Month Day Year

29. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Signature Month Day Year

30. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Signature Month Day Year

31. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Signature Month Day Year

32. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Signature Month Day Year

33. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Signature Month Day Year

34. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Signature Month Day Year

90270871

ONCE CENTER 1-800-424-6

THE NATIONAL

IN CASE OF AN EMERGENCY OR SPILL, CALL

FACILITY

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No. CA115774991/1059	2. Page 1 of 1	Manifest Document No. 98270871
3. Generator's Name and Mailing Address ARMOR VANGUARD INC PO BOX 5127 Vincennes IN 43437	A. State Manifest Document Number	
4. Generator's Phone (803) 566-9431	B. State Generator's ID H1111111111111111	
5. Transporter 1 Company Name NASH Salvage Inc.	C. State Transporter's ID 012608	
6. US EPA ID Number CA115774991/1059	D. Transporter's Phone (213) 446-8731	
7. Transporter 2 Company Name	E. State Transporter's ID	
8. US EPA ID Number	F. Transporter's Phone	
9. Designated Facility Name and Site Address Petroleum Recycling Corp. 1535 E. 24th St. Smyrna Hill, CA 94306	G. State Facility's ID	
10. US EPA ID Number CA115774991/1059	H. Facility's Phone 213 595 6597	

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
a. Waste Oil, incl combustible liquid, UN120 (200)	441	FT	293	State 221 EPA/Other DOW
b.				State EPA/Other
c.				State EPA/Other
d.				State EPA/Other

J. Additional Descriptions for Materials Listed Above 1) 9061139 (oil) Wt in - Wt out - Dish # 9179 Doh # 143, P150	K. Handling Codes for Wastes Listed Above a. 01 b. c. d.
---	--

15. Special Handling Instructions and Additional Information
Gsx is this hazardous materials waste container for. Please route all billing
and correspondence to: Gsx, P. Box 140, Shokville, WI 53080
(Guide #27)

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name J. B. W. K. K. K. K.	Signature [Signature]	Month Day Year 05 02 90
17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name F. B. C. I. S. T. C. O. S.	Signature [Signature]	Month Day Year 05 02 90
18. Transporter 2 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Month Day Year
19. Discrepancy Indication Space		
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		
Printed/Typed Name	Signature	Month Day Year

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL
ONCE CENTER 1-800-424-2622; WITHIN CALIFORNIA CALL 1-800-852-7550

SUPPLEMENTAL DOCUMENT TO BLOCK J

MANIFEST # 90270871

[illegible]

CONTRACT/D.O. # DLA0009 | DO#143, 148, 150

CSX GOVERNMENT-SERVICES, INC.

C.O.R.

SIGNATURE

SIGNATURE

DATE

DATE _____



CUSTOMER NOTIFICATION AND CERTIFICATION

Department of Health Services
Toxic Substances Control Division
Sacramento, California

ONLY STATEMENTS WITH ORIGINAL SIGNATURES WILL BE ACCEPTED

Generator Name/Location: DRMO Vandenberg AFB, PO Box 5127, Vandenberg CA 93437

EPA ID Number: CA 9570025149

Waste Profile or ARF Number: 9061189

Manifest Number: 90270871

EPA Hazardous Waste Number(s): (D001) ()

Waste Analysis Available? Yes ☐ No ☒ If yes, please attach copy.

☒ Unrestricted Waste Notification (Category 1)

I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste is not restricted as specified in 40 CFR 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d).

☐ Restricted Waste Notification (Category 2)

I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment standards specified in 40 CFR 268, Subpart D.

—(2A) Waste must be treated by the appropriate regulatory treatment standard or in such a manner which renders it non-liquid by chemical fixation or solidification prior to land disposal. Corresponding treatment standard

—(2B) Waste is subject to 40 CFR 268.7(a)(4) and landfilling or placing in a surface impoundment is not allowed unless conditions of category 5 below are met.

☐ Restricted Waste Variance Certification/Notification (Category 3)

I notify pursuant to 40 CFR 268.7(a)(3) and certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Applicable Variance: _____

☐ Treated Waste Certification (Category 4)

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

☐ Soft Hammer Waste Certification (Category 5)

—(5A) I certify under penalty of law that the requirements of 40 CFR 268.8(a)(1) have been met and that disposal in a landfill or surface impoundment is the only practical alternative to treatment currently available. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

—(5B) I certify under penalty of law that the requirements of 40 CFR 268.8(a)(1) have been met and that I have contracted to treat my waste (or will otherwise provide treatment) by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

—(5C) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with treatment as specified in the generator's demonstration. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

☐ Restricted Waste Notification (Category 6)

I notify that I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does comply with the treatment standards specified in 40 CFR 268, Subpart D.

SIGNATURE: Lucie Hovorka DATE: 5/2/90

PRINT NAME: LUCIE HOVORKA TITLE: Field Chemist/RCRA

1 DAYS

90270872
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL POISON CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA 9570025149920012

2. Page 1 of 1

3. Generator's Name and Mailing Address DRMO Vandenberg AFB PO Box 5127 Vandenberg CA 93437

4. Generator's Phone (805) 866 9431 (24 hr) 805 399 7011

5. Transporter 1 Company Name Nash Salvage Inc. US EPA ID Number CA D990802993

6. Transporter 2 Company Name US EPA ID Number

7. Designated Facility Name and Site Address Petroleum Recycling Corp 1835 E. 24th St, Signal Hill CA 90806 US EPA ID Number CA T 9801911059

8. State Manifest Document Number 90270872

9. State Generator's ID HNM036026983

10. State Transporter's ID 012508

11. State Transporter's Phone 713 946 2431

12. State Facility's ID HAH0360117252

13. Facility's Phone 213 545 6597

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. Waste oil, nos combustible liquid, NA 270 (D001)	941 TT	1215	6	State 221 EPA/Other D001
b.				State 06 75 EPA/Other
c.				State EPA/Other
d.				State EPA/Other

12. Additional Descriptions for Materials Listed Above

A) 9061189 (oil) Truck # C04 PO # 11504

By: DIS # 9179 DO # 15133154, 15157122, 163

13. Special Handling Instructions and Additional Information GSX is this quality hazardous waste contractor. Please route all billing and correspondence to GSX PO Box 140, Saukville, WI 53080 (Guide # 27)

14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

15. Printed/Typed Name TIMOTHY DOMERIO Signature Month Day Year 12 5 10 2 9 0

16. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name FRANCISCO CESS Signature Month Day Year 01 5 10 2 9 0

17. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day Year

18. Discrepancy Indication Space

19. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name JOSE SANCHEZ Signature Month Day Year 10 15 10 13 19 0

YELLOW: GENERATOR RETAINS



CUSTOMER NOTIFICATION AND CERTIFICATION

ONLY STATEMENTS WITH ORIGINAL SIGNATURES WILL BE ACCEPTED!

Generator Name/Location: DRMO Vandenberg AFB, PO Box 5127, Vandenberg CA 93437

EPA ID Number: CA9570025149

Waste Profile or ARF Number: 9061189

Manifest Number: 90276872

EPA Hazardous Waste Number(s): (D001) ()

Waste Analysis Available? Yes ☐ No ☒ If yes, please attach copy.

☒ Unrestricted Waste Notification (Category 1)

I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste is not restricted as specified in 40 CFR 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d).

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I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment standards specified in 40 CFR 268, Subpart D.

—(2A) Waste must be treated by the appropriate regulatory treatment standard or in such a manner which renders it non-liquid by chemical fixation or solidification prior to land disposal. Corresponding treatment standard _____

—(2B) Waste is subject to 40 CFR 268.7(a)(4) and landfilling or placing in a surface impoundment is not allowed unless conditions of category 5 below are met.

☐ Restricted Waste Variance Certification/Notification (Category 3)

I notify pursuant to 40 CFR 268.7(a)(3) and certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Applicable Variance: _____

☐ Treated Waste Certification (Category 4)

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

☐ Soft Hammer Waste Certification (Category 5)

—(5A) I certify under penalty of law that the requirements of 40 CFR 268.8(a)(1) have been met and that disposal in a landfill or surface impoundment is the only practical alternative to treatment currently available. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

—(5B) I certify under penalty of law that the requirements of 40 CFR 268.8(a)(1) have been met and that I have contracted to treat my waste (or will otherwise provide treatment) by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

—(5C) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with treatment as specified in the generator's demonstration. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

☐ Restricted Waste Notification (Category 6)

I notify that I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does comply with the treatment standards specified in 40 CFR 268, Subpart D.

SIGNATURE: Lucie Novorka

DATE: 5/2/90

PRINT NAME: LUCIE NOVORKA

TITLE: Field Chemist

MANIFEST # 90270872

MANIFEST #

902 70 872

[illegible]

CONTRACT/D.O. # DL40009 / DO# 155

CSX GOVERNMENT SERVICES, INC.,

C.O.R.

SIGNATURE

SIGNATURE

DATE _____

DATE _____

SUPPLEMENTAL DOCUMENT TO BLOCK J

MANIFEST # 90270872

MANF. LINE ITEM	CLIN NUMBER	HIN NUMBER	ITEM DESCRIPTION	# OF CONT.	VOL./
A	0013	3921	oil - 10% Dirt DO#162 f23/J13	1 ^{SS}	55 G
	0016	3921	" " 2% Dirt " " f17/J16	1 ^{SS}	40 G
	0036	3921	" " " " f21/J36	1 ³⁰	30 G
	0038	3920	Kerosene Diesel fuel " " f17/J38	1 ³⁰	6 G
	0039	3920	" " " " f17/J39	1 ^{SS}	6 G
	0041	3930	hydr. fluid " " f17/J41	1 ^{SS}	11 G
	0011	3918	oil/water DO#163 f23/I-11	1 ¹⁵	14 G
	0012	3920	Kerosene Diesel fuel " " f23/I 12	1 ¹⁵	10 G
	0013	3920	" " " " f23/I 13	1 ¹⁵	14 G
	0015	3918	oil/water " " f23/I 15	1 ¹⁵	14 G
	0016	3918	oil/water " " = f23/I 16	1 ¹⁵	11 G
	0017	3930	hydraulic fluid " " f17/I 17	1 ^{SS}	21 G
	0019	3925	Petro lube " " f27/I 19	1 ⁵	5 G
	0024	3918	oil/water " " f17/I 24	3 ^{SS}	165 C
	0025	3928	Gas/fuel " " f17/I 25	1 ^{SS}	55 G
	0030	3930	hydr. fluid " " f13/I 30	1 ^{SS}	55 G
	0035	3918	oil/water " " f18/I 35	1 ¹⁵	11 G
	0036	3918	" " " " f18/I 36	1 ⁵	5 G
	0038	3918	" " " " f17/I 38	1 ¹	1 G

CONTRACT/D.O. # DLA6609/DO#162-163

GSX GOVERNMENT SERVICES, INC.

SIGNATURE

DATE

5/12/90

C.O.R.

SIGNATURE

DATE

2 MAY 90

SUPPLEMENTAL DOCUMENT TO BLOCK J

MANIFEST # 90270872

MANF. LINE ITEM	CLIN NUMBER	HIN NUMBER	ITEM DESCRIPTION	# OF CONT.	VOL./
A	0007	3920	Kerosene DO# 151 f17/E7	1 ^{SS}	40 G
	0009	3920	Diesel fuel " " f15/E-9	1 ^{SS}	28 G
	0015	3921	oil - Dirt < 10% " " f26/E15	1 ^{SS}	49 G
	0033	3918	oil/water " " f27/E33	1 ¹⁵	13 G
	0035	3918	oil/water " " f15/G35	1 ¹⁵	15 G
	0006	3918	" " DO# 154 f15/f6	1 ³⁰	8 G
	0008	3920	oil - Dirt < 2% " " f14/f8	1 ^{SS}	53 G
	0009	3921	" " " " f14/f9	1 ^{SS}	53 G
	0016	3921	oil / Dirt < 2% " " f20/f16	1 ^{SS}	53 G
	0017	3920	" " " " = f15/f17	1 ^{SS}	50 G
	0018	3920	" " " " f15/f18	1 ^{SS}	53 G
	0027	3930	hydr. fluid " " f13/f27	1 ^{SS}	22 G
	0036	3921	oil / Dirt < 2% DO# 157 f28/H2	1 ^{SS}	53 G
	0037	3921	" " " " f28/H3	1 ^{SS}	53 G
	0039	3928	Petro fuel " " f27/H6	1 ^{SS}	48 G
	0041	3920	Kerosene " " f28/H1	1 ^{SS}	45 G

CONTRACT/D.O. # DL40009 / DO# 151, 153, 154, 157

GSX GOVERNMENT-SERVICES, INC.

SIGNATURE [Signature]
 DATE 5/2/90

C.O.R.

SIGNATURE [Signature]
 DATE 2- MAY 90

(12/12/88)

21 MAY 1990

Department of Health Services
Toxic Substances Control Division
Sacramento, California

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No. **CA9457402514970101912**
Manifest Document No. **70101912**

2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address **DRMO Vandenberg AFB
PO Box 5127
Vandenberg, CA 93437**
4. Generator's Phone (805) **8669431 (2411) 8013997011**

A. State Manifest Document Number **90270876**

B. State Generator's ID **11PH436029982**

5. Transporter 1 Company Name **Environmental Transport Service**
6. US EPA ID Number **CA947811605363**

C. State Transporter's ID **007166**

7. Transporter 2 Company Name
8. US EPA ID Number

D. Transporter's Phone **4156778781**

E. State Transporter's ID

9. Designated Facility Name and Site Address **Special Waste Inc.
1713 Legion Rd.
Athens TN 37307**
10. US EPA ID Number **ITND434151471141**

G. State Facility's ID

H. Facility's Phone **6157459272**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol 15. Waste No.

a. **Hazardous Waste Solid, nos
ORM-E, NA9189**

008 DM 6116107 P State **611**
EPA/Other

b. **Hazardous Waste Solid, nos
ORM-E, NA9189 (D007)**

001 DM 61116 P State
EPA/Other **D007**

c. **Hazardous Waste Solid, nos
ORM-E, NA9189 (F002, F003, F005)**

001 DM 61496 P State **211, 212**
EPA/Other **F002, F003, F005**

d. **Waste Paint Related material
Flammable Liquid, UN1263 (D01, F003, F005)**

008 DM 61397 G State **211, 212**
EPA/Other **D01, F003, F005**

J. Additional Descriptions for Materials Listed Above
A) **149035 (sp. 11)** **DLN0009**
B) **149033 (Blust. Seal Comp)** **DOH 151 DOH 154157**
C) **149087 (Solvents-Solid)** **153 POH 11539**
D) **149102** **Track HD26**

K. Handling Codes for Wastes Listed Above
a. **14** b. **14**
c. **14** d. **14**

15. Special Handling Instructions and Additional Information
**Gsx is the designated hazardous Waste Contractor. Please route all
all billing and correspondence to: Gsx, PO Box 5127, Santa Fe, NM 87500**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **LENNY KAMRER** Signature **[Signature]** Month Day Year **05/11/90**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **Ray W Hickman** Signature **[Signature]** Month Day Year **05/11/90**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name **Tom McNamee** Signature **[Signature]** Month Day Year **05/11/90**

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-2552, WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address		4. Generator's Phone ()		A. State Manifest Document Number	
5. Transporter 1 Company Name		6. US EPA ID Number		B. State Generator's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID	
9. Designated Facility Name and Site Address		10. US EPA ID Number		D. Transporter's Phone	
				E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Hazardous waste solid, nus ORM-E, UN1189		608 DMX	116107	P	State 611 EPA/Other
b. Hazardous waste solid, nus ORM-E, UN1189 (D007)		601 DMX	116	P	State EPA/Other D007
c. Hazardous waste solid, nus ORM-E, UN1189 (F002, F003, F005)		601 DMX	1496	P	State 211, 212 EPA/Other F002, F003, F005
d. Black paint related material, liquid, UN1263 (D001, F003, F005)		608 DMX	1397	G	State 211, 212 EPA/Other
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
A) 149835 (Spill) D001, D009		a. 14 b. 14			
B) 149833 (Spill Seal Comp) D0151 D01157		c. 14 d. 14			
C) 14987 (Solvent-Solc) 153 D011539					
D) 14982 (Solvent-Solc) T002 D26					
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name		Signature		Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		Month Day Year	

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8029 WITHIN CALIFORNIA CALL 1-800-852-7550

SUPPLEMENTAL DOCUMENT TO BLOCK J

MANIFEST # 90270376

File

MANF. LINE ITEM	CLIN NUMBER	HIN NUMBER	ITEM DESCRIPTION	P. OF CONT.	VOL.
A	0014	5500	Solid Spill-cil/absorbent DO# 151	F15/E14	15
	0036	5500	" " " "	F16/E36	36
	0001	5500	" " DO# 157	B34/H27	1292
	0002	5500	" " " "	B34/H28	81
	0009	5500	" " " "	B34/H35	19
	0010	5500	" " DO# 154	F14/F1	113
	0034	5500	" " " "	F26/F34	51
B	0017	2004	EP TOXIC-Solvent comp DO# 151	T06/E17	116
C	0022	4752	Solvents-Solid DO# 151	F13/E22	196
D	0023	4725	<10% Solid Solvent/Paint DO# 151	F13/E23	55 G
	0030	4725	" " " "	F23/E30	55 C
	0015	4725	" " DO# 153	F21/G15	17 G
	0019	4725	" " " "	F18/G19	55 G
	0020	4725	" " " "	F18/G20	55 C
	0024	4725	" " " "	F25/G24	55 C
	0029	4725	" " DO# 154	F29/F29	55 G
	0012	4725	" " DO# 157	B34/H38	40 G

CONTRACT/D.O. # DLA6009 DO# 151, 153, 154, 157

GSX GOVERNMENT SERVICES, INC.

SIGNATURE

Luce Anich

DATE

5/11/90

C.O.R.

SIGNATURE

Benny K. Reed

DATE

11 May 90

MANIFEST # 60210876

CONTRACT/D.O. # DLA0009 / DOT#157

SIGNATURE

DATE _____

REV (12/12/88)

C.O.R.

SIGNATURE

DATE _____



CUSTOMER NOTIFICATION AND CERTIFICATION

ONLY STATEMENTS WITH ORIGINAL SIGNATURES WILL BE ACCEPTED!

Generator Name/Location: DRMO Vandenberg AFB, PO Box 5127, Vandenberg CA 93437

EPA ID Number: CA9570025149

Waste Profile or ARF Number: 144035

Manifest Number: 90270876

EPA Hazardous Waste Number(s): () ()

Waste Analysis Available? Yes ☐ No ☒ If yes, please attach copy.

☒ Unrestricted Notification (Category 1)

I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste is not restricted as specified in 40 CFR 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d).

☐ Restricted Waste Notification (Category 2)

I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment standards specified in 40 CFR 268, Subpart D.

—(2A) Waste must be treated by the appropriate regulatory treatment standard or in such a manner which renders it non-liquid by chemical fixation or solidification prior to land disposal. Corresponding treatment standard

—(2B) Waste is subject to 40 CFR 268.7(a)(4) and landfilling or placing in a surface impoundment is not allowed unless conditions of category 5 below are met.

☐ Restricted Waste Variance Certification/Notification (Category 3)

I notify pursuant to 40 CFR 268.7(a)(3) and certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Applicable Variance: _____

☐ Treated Waste Certification (Category 4)

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

☐ Soft Hammer Waste Certification (Category 5)

—(5A) I certify under penalty of law that the requirements of 40 CFR 268.8(a)(1) have been met and that disposal in a landfill or surface impoundment is the only practical alternative to treatment currently available. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

—(5B) I certify under penalty of law that the requirements of 40 CFR 268.8(a)(1) have been met and that I have contracted to treat my waste (or will otherwise provide treatment) by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

—(5C) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with treatment as specified in the generator's demonstration. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

☐ Restricted Waste Notification (Category 6)

I notify that I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does comply with the treatment standards specified in 40 CFR 268, Subpart D.

SIGNATURE: Lucie Hovorka / Bongbong

DATE: 5/11/90

PRINT NAME: LUCIE HOVORKA / Bongbong

TITLE: Field Chemist H.O.P.

Generator Name/Location: ORINO Vanderberg AFB, PO Box 5177, Vanderberg CA 94343EPA ID Number: C119570075149 Manifest Number: 90270876

Drum Number, Waste Profile or ARF Number	Category No.	State EPA Waste Number(s)	Corresponding Treatment Standard/ Applicable Variance/Other Information
149033	1	* D007	Land fill, chem. fixation
149087	2	F007, F003, F005	1, 14, 16, 21
149102	2	D001, F003, F005	1, 16, 21, 26

SIGNATURE: LUCIE HAVORKA DATE: 5/11/90
PRINT NAME: LUCIE HAVORKA TITLE: Field Chemist/RCRA
ONLY ORIGINAL SIGNATURES WILL BE ACCEPTED!

September 23, 1988

* For Treatment Standards Expressed as Concentration, Please Enter the Legend Number from the Legend Below for the Constituents contained in the Waste.

LEGEND FOR TREATMENT STANDARDS EXPRESSED AS CONCENTRATION
TABLE CCWE-CONSTITUENTS IN WASTE EXTRACT

FC01-F005 spent solvents		Concentration (in mg/l) Waste Water Containing Spent Solvents		F020-F023 and F026-F028 dioxin Containing Waste		Concentration
Legend #	Constituent Name		All other Spent Solvent Wastes	Legend #	Constituent Name	
1	Acetone.....	0.05	0.59	27	HxCDD-All Hexachlorodibenzo-p-dioxins.....	1 ppb
2	n-Butyl alcohol.....	5.0	5.0	28	HxCDF-All Hexachlorodibenzofurans.....	1 ppb
3	Carbon disulfide.....	1.05	4.81	29	PeCdd-All Pentachlorodibenzo-p-dioxins.....	1 ppb
4	Carbon tetrachloride.....	.05	.96	30	PeCDF-All Pentachlorodibenzofurans.....	1 ppb
5	Chlorobenzene.....	.15	.05	31	TCDD-All Tetrachlorodibenzo-p-dioxins.....	1 ppb
6	Cresols (and cresylic acid).....	2.82	.75	32	TCDF-All Tetrachlorodibenzofurans.....	1 ppb
7	Cyclohexanone.....	.125	.75	33	2,4,5-Trichlorophenol.....	0.05 ppm
8	1,2-dichlorobenzene.....	.65	.125	34	2,4,6-Trichlorophenol.....	0.05 ppm
9	Ethyl acetate.....	.05	.75	35	2,3,4,6-Tetrachlorophenol.....	0.10 ppm
10	Ethyl benzene.....	.05	.053	36	Pentachlorophenol.....	0.01 ppm
11	Ethyl ether.....	.05	.75			
12	Isobutanol.....	5.0	5.0			
13	Methanol.....	.25	.75			
14	Methylene chloride.....	.20	.96			
15	Methylene chloride (from the pharmaceutical industry).....	12.7	.96			
16	Methyl ethyl ketone.....	0.05	0.75			
17	Methyl isobutyl ketone.....	0.05	0.33			
18	Nitrobenzene.....	0.66	0.125			
19	Pyridine.....	1.12	0.33			
20	Tetrachloroethylene.....	0.079	0.05			
21	Toluene.....	1.12	0.33			
22	1,1,1-Trichloroethane.....	1.05	0.41			
23	1,2,2-trichloro-1,2,2- trifluoroethane.....	1.05	0.96			
24	Trichloroethylene.....	0.062	0.091			
25	Trichlorofluoromethane.....	0.05	0.96			
26	Xylene.....	0.05	0.15			

(Continued on following pages)

MAY 1990

Please print or type (Form designed for use on elite (12-pitch typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

DRMO Vandenberg AFB
PO BOX 5127
Vandenberg, CA 93437

A. State Hazardous Waste Number
90270880

4. Generator's Phone (805) 866-9431

(6411) 3013997011

B. State Generator's ID
HWH06020982

5. Transporter 1 Company Name

6. US EPA ID Number

Environmental Transport Service

WAHD9801605363

C. State Transporter's ID
007466

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone
4056718781

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Special Waste Inc.
1713 Legion Rd
Athens, TN 37307

10. US EPA ID Number

TND0134547141

G. State Facility's ID

H. Facility's Phone
6157459222

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total Quantity

14. Unit
Wt/Vol

15. Waste No.

a. Waste Corrosive Liquid, ncs
corrosive material, UN1760 (D002)
(H.F. chromic acid, H₂O)

002 DF 001 PH G

State 791
EPA/Other 5002

b. Hazardous Waste Solid, ncs
ORM-H, NAH189

001 DM 00168 P

State 221
EPA/Other

c. Non Regulated Solid
LATEX PAINT

004 DM 01095 P

State 291
EPA/Other

d. Non Regulated Liquid
LATEX PAINT

005 DM 00255 G

State 291
EPA/Other

J. Additional Descriptions for Materials Listed Above

A) 149220 (misc acid)
B) 149006 (oil filters)
C) 149221 (Latex Spill)
D) 149051 (Latex Paint)

DLACOUT
PUH 11539
TRUCK # D26
DO# 154
157

K. Handling Codes for Wastes Listed Above

a. 14 b. 14
c. 14 d. 14

15. Special Handling Instructions and Additional Information

GSX is other facility's hazardous Waste Contractor. Please route all billing and correspondence to: GSX, PO BOX 140, Suckville, WI 53080

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Month Day Year

Benny R. R. 1990

Benny R. R. 1990

01/11/1990

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Tracy W. Hickman

Tracy W. Hickman

01/11/1990

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

Tom McSally

Tom McSally

01/11/1990

90270880

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8002; WITHIN CALIFORNIA CALL 1-800-952-7550

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1 of 1

Information in the shaded areas
is not required by Federal law.

3. Generator's Name and Mailing Address

DRITTO VENTURES, INC.
PO BOX 5127
VAN HOUTEN, CA 95743

A. State Manifest Document Number
90270880

4. Generator's Phone

(916) 434-7011

B. State Generator's ID

5. Transporter 1 Company Name

Environmental Transport Service

C. State Transporter's ID

7. Transporter 2 Company Name

US EPA ID Number

D. Transporter's Phone

9. Designated Facility Name and Site Address

US EPA ID Number

E. State Transporter's ID

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

US EPA ID Number

F. State Facility's ID

12. Containers

13. Total Quantity

14. Unit Wt/Vol

15. Special Handling Instructions and Additional Information

16. Generator's Certification

17. Transporter 1 Acknowledgement of Receipt of Materials

18. Transporter 2 Acknowledgement of Receipt of Materials

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

Printed/Typed Name

Signature

Month Day Year

Printed/Typed Name

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IN CASE OF AN EMERGENCY OR SPILL, THE NATIONAL RESPONSE CENTER 1-800-424-2552, WITHIN CALIFORNIA CALL 1-800-852-7550

CUSTOMER NOTIFICATION AND CERTIFICATION



ONLY STATEMENTS WITH ORIGINAL SIGNATURES WILL BE ACCEPTED!

Generator Name/Location: DRMO Vandenberg AFB, PO BOX 5127, Vandenberg CA 93437
 EPA ID Number: CH9576025149
 Waste Profile or ARF Number: 149220
 Manifest Number: 90270 880
 EPA Hazardous Waste Number(s): (D002) ()

Waste Analysis Available? Yes ☐ No ☒ If yes, please attach copy.

☐ Unrestricted Waste Notification (Category 1)

I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste is not restricted as specified in 40 CFR 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d).

☒ Restricted Waste Notification (Category 2)

I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment standards specified in 40 CFR 268, Subpart D.

—(2A) Waste must be treated by the appropriate regulatory treatment standard or in such a manner which renders it non-liquid by chemical fixation or solidification prior to land disposal. Corresponding treatment standard PH > 2

—(2B) Waste is subject to 40 CFR 268.7(a)(4) and landfilling or placing in a surface impoundment is not allowed unless conditions of category 5 below are met.

☐ Restricted Waste Variance Certification/Notification (Category 3)

I notify pursuant to 40 CFR 268.7(a)(3) and certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Applicable Variance: _____

☐ Treated Waste Certification (Category 4)

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

☐ Soft Hammer Waste Certification (Category 5)

—(5A) I certify under penalty of law that the requirements of 40 CFR 268.8(a)(1) have been met and that disposal in a landfill or surface impoundment is the only practical alternative to treatment currently available. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

—(5B) I certify under penalty of law that the requirements of 40 CFR 268.8(a)(1) have been met and that I have contracted to treat my waste (or will otherwise provide treatment) by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

—(5C) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with treatment as specified in the generator's demonstration. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

☐ Restricted Waste Notification (Category 6)

I notify that I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does comply with the treatment standards specified in 40 CFR 268, Subpart D.

SIGNATURE: Lucie Hovorka / Benroy Korman

DATE: 5/11/90

PRINT NAME: LUCIE HOVORKA / Benroy Korman

TITLE: Field Chemist H&OR

Generator Name/Location: DRMO Vandenberg AFB, PO Box 5127, Vandenberg CA 92437

EPA ID Number: CH9570025149

Manifest Number: 90270880

[illegible]

SIGNATURE: Tina Hrab / Deputy Sheriff

DATE: 5/11/90

PRINT NAME: LUCIE HOUORKA 1 BERRY BLVD

TITLE: Field Chemist's Rpt.

ONLY ORIGINAL SIGNATURES WILL BE ACCEPTED!

September 23, 1988

* For Treatment Standards Expressed as Concentration, Please Enter the Legend Number from the Legend Below for the Constituents contained in the Waste.

LEGEND FOR TREATMENT STANDARDS EXPRESSED AS CONCENTRATION
TABLE CCWE-CONSTITUENTS IN WASTE EXTRACT

FC01-F005 spent solvents		Concentration (In mg/l) Waste Water Containing Spent Solvents		Concentration (In mg/l) All other Spent Solvent Wastes		F020-F023 and F026-F028 dioxin Containing Waste		Concentration
Legend #	Constituent Name			Legend #	Constituent Name			
1	Acetone.....	0.05	0.59	27	HxCDD-All Hexachlorodibenzo-p-dioxins.....		1 ppb	
2	n-Butyl alcohol.....	5.0	5.0	28	HxCDF-All Hexachlorodibenzofurans.....		1 ppb	
3	Carbon disulfide.....	1.05	4.81	29	PeCdd-All Pentachlorodibenzo-p-dioxins.....		1 ppb	
4	Carbon tetrachloride.....	.05	.96	30	PeCDF-All Pentachlorodibenzofurans.....		1 ppb	
5	Chlorobenzene.....	.15	.05	31	TCDD-All Tetrachlorodibenzo-p-dioxins.....		1 ppb	
6	Cresols (and cresylic acid).....	2.82	.75	32	TCDF-All Tetrachlorodibenzofurans.....		1 ppb	
7	Cyclohexanone.....	.125	.75	33	2,4,5-Trichlorophenol.....	0.05 ppm		
8	1,2-dichlorobenzene.....	.65	.125	34	2,4,6-Trichlorophenol.....	0.05 ppm		
9	Ethyl acetate.....	.05	.75	35	2,3,4,6-Tetrachlorophenol.....	0.10 ppm		
10	Ethyl benzene.....	.05	.053	36	Pentachlorophenol.....	0.01 ppm		
11	Ethyl ether.....	.05	.75					
12	Isobutanol.....	5.0	5.0					
13	Methanol.....	.25	.75					
14	Methylene chloride.....	.20	.96					
15	Methylene chloride (from the pharmaceutical industry).....	12.7	.96					
16	Methyl ethyl ketone.....	0.05	0.75					
17	Methyl isobutyl ketone.....	0.05	0.33					
18	Nitrobenzene.....	0.66	0.125					
19	Pyndine.....	1.12	0.33					
20	Tetrachloroethylene.....	0.079	0.05					
21	Toluene.....	1.12	0.33					
22	1,1,1-Trichloroethane.....	1.05	0.41					
23	1,2,2-trichloro-1,2,2-trifluoroethane.....	1.05	0.96					
24	Trichloroethylene.....	0.062	0.091					
25	Trichlorofluoromethane.....	0.05	0.96					
26	Xylene.....	0.05	0.15					

(Continued on following pages)

(Continued on following pages)

90270889

IN CASE OF AN EMERGENCY OR SPI, CALL THE NATIONAL TOXIC SUBSTANCE INFORMATION CENTER (1-800-424-9002) WITHIN CALIFORNIA CALL 1-800-852-7550

OFFICE OF THE ATTORNEY GENERAL

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 00270889		2. Manifest No. 00270889		3. Information in the shaded areas is not required by Federal law.	
4. Generator's Name and Mailing Address Environmental Transport Service				5. State of Origin CA			
6. Generator's Phone (800) 424-9002				7. State of Destination CA			
8. Transporter 1 Company Name Environmental Transport Service				9. US EPA ID Number 00270889			
10. Transporter 2 Company Name GSK Services				11. US EPA ID Number 00270889			
12. Designated Facility Name and Site Address GSK Rockville, Ex 3 Rockville, NC 27320				13. State Facility's ID NC			
14. Facility's Phone 919-342-5544				15. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			
a. Waste Compressed Gas, non-flammable gas, UN1959 (200, 100, 100)				12. Containers No. 127	13. Total Quantity P	14. Unit Wt/Vol P	15. Waste No. 200, 100, 100
b. Hazardous Waste Solid, non-flammable, UN1993 (200, 100, 100)				12. Containers No. 149	13. Total Quantity P	14. Unit Wt/Vol P	15. Waste No. 200, 100, 100
c. Combustible Liquid, non-flammable, UN1994 (200, 100, 100)				12. Containers No. 45	13. Total Quantity G	14. Unit Wt/Vol G	15. Waste No. 200, 100, 100
d. Waste Flammable Liquid, non-flammable, UN1993 (200, 100, 100)				12. Containers No. 27	13. Total Quantity G	14. Unit Wt/Vol G	15. Waste No. 200, 100, 100
16. Additional Descriptions for Materials Listed Above				17. Handling Codes for Wastes Listed Above			
a. UN1959				b. 14			
c. UN1993				d. 14			
e. UN1994				f. 14			
18. Special Handling Instructions and Additional Information GSK is to facilitate hazardous waste cleanup of plant and all billing work to be performed to GSK, 200 Ex 3, Rockville, NC 27320				19. Generator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.			
20. Printed/Typed Name Denny R. Turner				Signature Denny R. Turner			
21. Transporter 1 Acknowledgement of Receipt of Materials				22. Transporter 2 Acknowledgement of Receipt of Materials			
Printed/Typed Name Bob Calvey				Printed/Typed Name Gerald Milton			
Signature Bob Calvey				Signature Gerald Milton			
Month Day Year 05/23/90				Month Day Year 06/01/90			
23. Discrepancy Indication Space							
24. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Thomas W. Collier				Signature Thomas W. Collier			
Month Day Year 06/08/90				Month Day Year 06/08/90			

**UNIFORM HAZARDOUS
WASTE MANIFEST**
(Continuation Sheet)

21. Generator's US EPA ID No.

Manifest
Document No.

22. Page

Information in the shaded areas is not
required by Federal law.

C.A.9.5.7.0.0.2.5.1.4.9

9.0.1.0.1

2 of 2

23. Generator's Name

DRMO Vandenberg AFB
P.O. Box 5127
Vandenberg, CA 93437

L. State Manifest Document Number

90270889

M. State Generator's ID

24. Transporter Company Name

Environmental Transportation

25. US EPA ID Number

Ser. OKD981605363

N. State Transporter's ID

O. Transporter's Phone 405-677-8181

26. Transporter Company Name

27. US EPA ID Number

P. State Transporter's ID

Q. Transporter's Phone

28. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

29. Containers
No Type

30.
Total
Quantity

31.
Unit
Wt/Vol

R.
Waste No.

a.					
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					

FOR DRIVERS
SIGNATURE ONLY

S. Additional Descriptions for Materials Listed Above

T. Handling Codes for Wastes Listed Above

32. Special Handling Instructions and Additional Information

This is a continuation sheet for manifest # 90270889 and is added for signature
of transporter #3 only. The material is manifested on page 1 of this manifest.

33. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name

Bobby Gilliam

Signature

Bobby Gilliam

Date

Month Day Year
06 01 90.

34. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date
Month Day Year

35. Discrepancy Indication Space

ORIGINAL — RETURN TO GENERATOR

90270889

IN CASE OF AN EMERGENCY, OR SPI, CALL THE NATIONAL CHEMICAL HAZARD TSP CENTER 1-800-424-9302, WITHIN CALIFORNIA CALL 1-800-952-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address P.O. Box 100 Kirkland, WA 98043				4. State WA		5. Generator's Phone (206) 835-1431			
6. Transporter 1 Company Name National Transport Service				7. US EPA ID Number		8. State WA			
9. Transporter 2 Company Name				10. US EPA ID Number		11. State WA			
12. Designated Facility Name and Site Address USX Kirkland, WA 98043				13. US EPA ID Number		14. State WA			
15. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				16. Containers No.		17. Total Quantity		18. Unit Wt/Vol	
a. 1.000 LBS. OF COMBUSTIBLE LIQUID (P-100)				1.000		1.000		P	
b. 1.000 LBS. OF COMBUSTIBLE LIQUID (P-100)				1.000		1.000		P	
c. 1.000 LBS. OF COMBUSTIBLE LIQUID (P-100)				1.000		1.000		G	
d. 1.000 LBS. OF COMBUSTIBLE LIQUID (P-100)				1.000		1.000		G	
19. Additional Descriptions for Materials Listed Above				20. Handling Codes for Wastes Listed Above		21. State			
a. 1.000 LBS. OF COMBUSTIBLE LIQUID (P-100)				1.000		WA			
b. 1.000 LBS. OF COMBUSTIBLE LIQUID (P-100)				1.000		WA			
c. 1.000 LBS. OF COMBUSTIBLE LIQUID (P-100)				1.000		WA			
d. 1.000 LBS. OF COMBUSTIBLE LIQUID (P-100)				1.000		WA			
22. Special Handling Instructions and Additional Information				23. Generator's Certification					
24. Printed/Typed Name				25. Signature		26. Month Day Year			
27. Transporter 1 Acknowledgement of Receipt of Materials				28. Signature		29. Month Day Year			
30. Transporter 2 Acknowledgement of Receipt of Materials				31. Signature		32. Month Day Year			
33. Discrepancy Indication Space				34. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
35. Printed/Typed Name				36. Signature		37. Month Day Year			

FILE

ONLY PAYMENTS WITH ORIGINAL SIGNATURES WILL BE ACCEPTED

Generator Name/Location: Waste Management, Inc. 1000 1st St. N. Minneapolis, MN 55412

EPA ID Number: 261-00-0000

Waste Profile or AEF Number: 261-00-0000

Manifest Number: 261-00-0000

EPA Hazardous Waste Number: 261-00-0000

Waste Analysis Available? Yes No If yes, please attach copy.

 Unrestricted Waste Notification (Category 1)

I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste is not restricted as specified in 40 CFR 261. Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d).

 Restricted Waste Notification (Category 2)

I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment standards specified in 40 CFR 268.32 or RCRA Section 3004(d) and must be treated by the appropriate regulatory treatment standard or in such a manner which renders it non-hazardous by solidification prior to land disposal. Corresponding treatment standard: 261-00-0000

 Restricted Waste Variance Certification/Notification (Category 3)

I notify pursuant to 40 CFR 268.7(a)(3) and certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Applicable Variance: 261-00-0000

 Treated Waste Certification (Category 4)

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly to so to comply with the performance level specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) with respect to the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

 Restricted Waste Notification (Category 5)

I notify that I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does comply with the treatment standards specified in 40 CFR 268, Subpart D.

 Lab Pack Certification (Category 6)

(6A) I certify under penalty of law that to support this certification I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste, and that the lab pack contains only waste codes specified in Appendix A to part 266. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

(6B) I certify under penalty of law that to support this certification, I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste, and that the lab pack contains only those constituents specified in Appendix V to part 268. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

SIGNATURE: James J. [Signature] DATE: 5/10/91

PRINT NAME: James J. [Signature] TITLE: Site Manager

Generator Name/Location: PRIMO VANDERLUG AFB BOX 5127 VANDERLUG CA 95437

EPA ID Number: CH457625149 Manifest Number: 96270859

Drum Number,
Waste Profile
or ARF Number

Category No.

State EPA
Waste Number(s)

Corresponding Treatment Standard/ Applicable Variance/Other Information

[illegible]

SIGNATURE: John A. Allen 10/1/00

DATE: 5/23/90

PRINT NAME: Edwin Horvath - 100 - 04 2010

TITLE: Pop Chemist N. Co.

ONLY ORIGINAL SIGNATURES WILL BE ACCEPTED!

September 23, 1988

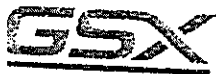
For Treatment Standards Expressed as Concentration, Please Enter the Legend Number from the Legend Below for the Constituents contained in the Waste.

LEGEND FOR TREATMENT STANDARDS EXPRESSED AS CONCENTRATION
TABLE CCWE-CONSTITUENTS IN WASTE EXTRACT

FC01-F005 spent solvents		Concentration (In mg/l) Waste Water Containing Spent Solvents		All other Spent Solvent Wastes		F020-F023 and F026-F028 dioxin Containing Waste		Concentration	
Legend #	Constituent Name					Legend #	Constituent Name		
1	Acetone.....	0.05		0.59		27	HxCDD-All Hexachlorodibenzo-p-dioxins.....		1 ppb
2	n-Butyl alcohol.....	5.0		5.0		28	HxCDF-All Hexachlorodibenzofurans.....		1 ppb
3	Carbon disulfide.....	1.05		4.81		29	PeCdd-All Pentachlorodibenzo-p-dioxins.....		1 ppb
4	Carbon tetrachloride.....	.05		.96		30	PeCDF-All Pentachlorodibenzofurans.....		1 ppb
5	Chlorobenzene.....	.15		.05		31	TCDD-All Tetrachlorodibenzo-p-dioxins.....		1 ppb
6	Cresols (and cresylic acid).....	2.82		.75		32	TCDF-All Tetrachlorodibenzofurans.....		1 ppb
7	Cyclohexanone.....	125		.75		33	2,4,5-Trichlorophenol.....		0.05 ppm
8	1,2-dichlorobenzene.....	.65		.125		34	2,4,6-Trichlorophenol.....		0.05 ppm
9	Ethyl acetate.....	.05		.75		35	2,3,4,6-Tetrachlorophenol.....		0.10 ppm
10	Ethyl benzene.....	.05		.053		36	Pentachlorophenol.....		0.01 ppm
11	Ethyl ether.....	.05		.75					
12	Isobutanol.....	5.0		5.0					
13	Methanol.....	.25		.75					
14	Methylene chloride.....	.20		.96					
15	Methylene chloride (from the pharmaceutical industry).....	12.7		.96					
16	Methyl ethyl ketone.....	0.05		0.75					
17	Methyl isobutyl ketone.....	0.05		0.33					
18	Nitrobenzene.....	0.66		0.125					
19	Pyridine.....	1.12		0.33					
20	Tetrachloroethylene.....	0.079		0.05					
21	Toluene.....	1.12		0.33					
22	1,1,1-Trichloroethane.....	1.05		0.41					
23	1,2,2-trichloro-1,2,2-trifluoroethane.....	1.05		0.96					
24	Trichloroethylene.....	0.062		0.091					
25	Trichlorofluoromethane.....	0.05		0.96					
26	Nylene.....	0.05		0.15					

(Continued on following pages)

(Continued on following pages)



GOVERNMENT SERVICES

Container Contents

☐ Bulk☒ Mixed Lab

Container Number:

DRUM 113 A

Chemist

JH

DOT Shipping Name:

Waste Flammable Liquid

Container Type:

H55

UN/NA Number:

1793

HM

X

Hazard Class:

Flammable Liquid

(D001, 113 A)

GENERATOR DRUM 113 ACONTRACT NO. 100-00001PROFILE NO. 90270889-DREIDSVILLE DRUM NO. _____
(TO BE FILLED IN BY FACILITY)No Radioactive, Pathogenic,
Infectious, Explosive, PCB's or
Dioxin in this container.(TO BE FILLED IN
BY FACILITY)

Line No.	A Chemical Name	B D.O. No.	C D.O. Description	D Liquid or Solid	E HIN #	F CLIN #	G Container Size and Number	H D.O. Quantity	I EPA Code	J Disposal Site	K Outgoing Manifest
11	Solvents	1144		L	4200	0032	12 x 1 G	12 G	D001 113 A		
12	Misc. Solvents	1144		L	2305	0036	2 x 2.5 G	5 G	D001		
3	Solvent - Part A	1144		L	4200	0038	10 x 1 G	10 G	D001 113 A		
4											
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Pack list continues

Yes

(No)

This is page

of



GOVERNMENT SERVICES

Container Contents

☐ Bulk☒ Mixed LabGENERATOR 2000-0000000000000000CONTRACT NO. 7-100000 PROFILE NO. 111111

90275889 C

REIDSVILLE DRUM NO. _____
(TO BE FILLED IN BY FACILITY)No Radioactive, Pathogenic,
Infectious, Explosive, PCB's or
Dioxin in this container.(TO BE FILLED IN
BY FACILITY)

Container Number:	Drum V7		Chemist	514
DOT Shipping Name:	Combustible Liquid			
Container Type:	H 85	UN/NA Number:	1994	HM X
Hazard Class:	Combustible Liquid			

Line No.	A Chemical Name	B D.O. No.	C D.O. Description	D Liquid or Solid	E HIN #	F CLIN #	G Container Size and Number	H D.O. Quantity	I EPA Code	J Disposal Site	K Outgoing Manifest
01	Distillates - Grease Petro Lubricants	155		L	3132	0001	1 x 1 G	1 G	—		
02	" "	" "		L	3100	0004		19 G	—		
03	Hydr. fluid	" "		L	3430	0006	2 x 1 G	2 G	—		
04	Distillates - Grease Petro Lubricants	" "	" "	L	3100	0011	1 x 1 G	1 G	—		
05	" "	" "		L	3400	0016	12 x 1 pt	2 G	—		
06	Hydr. fluid	" "		L	3430	0018	3 x 1 G	3 G	—		
07	Distillates Petro Lub. Grease	" "		L	3400	0021	111 x 1 tube 4 x 1 G	3 G	—		
08	" "	" "		L	3400	0025	97 tubes	7 G	—		
09	" "	" "		L	3400	0028	4 x 1 pt	1 G	—		
10	" "	" "		L	3400	0033	3 x 1 pt	1 G	—		
11	" "	" "		L	3400	0034	3 x 1 pt	1 G	—		
12	Distillates Petro Lub. Grease	" "		L	3425	0019	1 x 1 G	1 G	—		
13	" "	" "		L	3425	0020	3 x 1 G	1 G	—		
14	" "	" "		L	2700	0005	3 x 1 G	3 G	—		

list continues

Yes () No ()

This is page / of 320



Container Contents

☐ Bulk

☒ Mixed Lab
GENERATOR DEMO MANUFACTURING APPCONTRACT NO. DEMO001 PROFILE NO. 10191110

90270889-# B

REIDSVILLE DRUM NO. _____
(TO BE FILLED IN BY FACILITY)No Radioactive, Pathogenic,
Infectious, Explosive, PCB's or
Dioxin in this container.(TO BE FILLED IN
BY FACILITY)

Container Number: <u>Drum VS</u>		Chemist: <u>5/1</u>
OT Shipping Name: <u>Non Reg. Solid</u>		
Container Type: <u>---</u>	UN/NA Number: <u>---</u>	HM: <u>---</u>
Hazard Class: <u>---</u>		

	A	B	C	D	E	F	G	H	I	J	K
Line No.	Chemical Name	D.O. No.	D.O. Description	Liquid or Solid	HIN #	CLIN #	Container Size and Number	D.O. Quantity	EPA Code	Disposal Site	Outgoing Manifest
01	Grease	155		S	3901	0003	10 x 1 G	65 P	---		
02	Grease	" "		S	3901	0008	6 x 2 P	12 P	---		
03	" "	" "		S	3901	0009	12 x 1.5 P	24 P	---		
04	" "	" "		S	3901	0010	1 x 1 P	1 P	---		
05	" "	" "		S	3901	0011	1 x 1 P	1 P	---		
06	Grease	" "		S	3901	0012	2 tubes	2 P	---		
07	" "	" "		S	3901	0017	1 tube	1 P	---		
08	" "	" "		S	3901	0024	2 x 1.5 P	3 P	---		
09	" "	" "		S	3901	0027	21 x 1 P	21 P	---		
10	" "	" "		S	3901	0029	4 x 1 P	4 P	D008		
11	" "	" "		S	3901	0030	2 x 2 P	4 P	---		
12	" "	" "		S	3901	0031	5 x 1 qt	10 P	---		
13	" "	" "		S	3901	0032	12 x 1 tube	2 P	---		
14											

It continues

Yes

No

This is page / of



GOVERNMENT SERVICES

Container Contents

☐ Bulk☒ Mixed LabGENERATOR 38000 Vandenberg AFBCONTRACT NO. DenouyPROFILE NO. 200009

90270889- A

REIDSVILLE DRUM NO. _____
(TO BE FILLED IN BY FACILITY)No Radioactive, Pathogenic,
Infectious, Explosive, PCB's or
Dioxin in this container.(TO BE FILLED IN
BY FACILITY)

Container Number: <u>Drum V6</u>		Chemist: <u>SH</u>
DOT Shipping Name: <u>White Compressed Gas, n.o.s.</u>		
Container Type: <u>17 H 55</u>	UN/NA Number: <u>1994</u>	HM: <u>X</u>
Hazard Class: <u>flammable gas</u>		

Line No.	A Chemical Name	B D.O. No.	C D.O. Description	D Liquid or Solid	E HIN #	F CLIN #	G Container Size and Number	H D.O. Quantity	I EPA Code	J Disposal Site	K Outgoing Manifest
01	Aerosol	139		S	4506	0022	2 x 1 P	2 P	DC01 F003 F005		
02	" "	144		S	4506	0030	1 x 1 P	1 P	" "		
03	" "	149		S	5006	0033	1 17P	17 P	DC01		
04	" "	144		S	4506	0037	6 x 1 P	6 P	DC01 F003 F005		
05	" "	144		S	4506	0041	59 x 1 P	59 P	" "		
06	" "	155		S	4506	0002	18 x 1 P	18 P	" "		
07	" "	155		S	4506	0014	24 x 1 P	24 P	" "		
08											
09											
10											
11											
12											
13											
14											

5 Pack list continues

Yes ☐ No ☒

This is page 1 of 1



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved: OMB No. 2050-0039, expires 3-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAD98146550		Manifest Document No. 100390710		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address INDUSTRIAL WASTE ENGINEERING 225 W. POTTERY LAKE ELS NORC CT						A. State Manifest Document Number NA 00390717			
4. Generator's Phone 916 740 7777						B. State Generator's ID 99906			
5. Transporter 1 Company Name INDUSTRIAL WASTE ENG.						C. State Transporter's ID 70357			
6. US EPA ID Number CAD981465503						D. Transporter's Phone 714 631 0111			
7. Transporter 2 Company Name						E. State Transporter's ID			
8. US EPA ID Number						F. Transporter's Phone			
9. Designated Facility Name and Site Address ROLLINS ENVIRONMENTAL 20267 BATTLEGROUND RD DEER PARK TX 77536						G. State Facility's ID 01429			
10. US EPA ID Number TXD055141378						H. Facility's Phone 713 479-6001			
11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	Waste No.
20	a. WASTE FLAMMABLE LIQUID NOS UN 1993 (FOOL FOOL D001)					17	3936 P		916600 FOOL FOOL D001
	b.								
	c.								
	d.								
J. Additional Descriptions for Materials Listed Above OLD PAINTS SOLVENTS HO 2808-33 WASTE STREAM RESULTS FROM CONSOLIDATION of Manifest # 00390710						K. Handling Codes for Wastes Listed Above T-18			
15. Special Handling Instructions and Additional Information									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name KEN BARNETT					Signature [Signature]			Month Day Year 12/15/88	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name KEN BARNETT					Signature [Signature]			Month Day Year 04/15/88	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name					Signature			Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name Anthony Carmona					Signature [Signature]			Month Day Year 5/8/91	

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator's USEPA ID No. **CA 9370005** Manifest Document No. **180076** 22. Page **3**

23. Generator's Name **DRMO COMPANY II-559**
PO BOX 5122 VAN DUSEN BLVD

24. Transporter Company Name _____ 25. USEPA ID Number _____

26. Transporter Company Name _____ 27. USEPA ID Number _____

28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29. Containers No.	29. Containers Type	30. Total Quantity	31. Unit Wt/Vol	Waste No.
a. <input checked="" type="checkbox"/> WASTE TRICHLOROETHYLENE ORM-A UN1710 (6001)	1	DM	50	G	
b. <input checked="" type="checkbox"/> WASTE METHYL ETHYL KETONE FLAMMABLE LIQUID UN1993 (6002)	1	DM	10	G	
c. <input checked="" type="checkbox"/> WASTE FUEL OIL COMBUSTIBLE LIQUID UN1993 (6001)	1	DM	30	G	
d. <input type="checkbox"/>					
e. <input type="checkbox"/>					
f. <input type="checkbox"/>					
g. <input type="checkbox"/>					
h. <input type="checkbox"/>					
i. <input type="checkbox"/>					

31. Additional Descriptions for Materials Listed Above _____

32. Special Handling Instructions and Additional Information _____

33. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name _____ Signature _____ Date _____
 Month Day Year

34. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name _____ Signature _____ Date _____
 Month Day Year

35. Discrepancy Indication Space _____

MISSION
of Station
3087



DCA 200 88 P 0072
DO 011

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 2	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address DEMO BUILDING 11-559 PO BOX 8127 VANDERBURG AFB CA 93437-400		801-399-7814		A. State Manifest Document Number NO 00390710		
4. Generator's Phone (705) 866-9431		6. US EPA ID Number EAD981465503		B. State Generator's ID 99906		
5. Transporter 1 Company Name INDUSTRIAL WASTE ENG.		8. US EPA ID Number		C. State Transporter's ID 40359		
7. Transporter 2 Company Name		10. US EPA ID Number		D. Transporter's Phone 714-674-0777		
9. Designated Facility Name and Site Address ROLLINS ENVIRONMENTAL 2027 BATTLEGROUND RD DEER PARK TX		11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		E. State Transporter's ID		
11A. HM		12. Containers		F. Transporter's Phone		
		No. Type		G. State Facility's ID		
		13. Total Quantity		H. Facility's Phone		
		14. Unit Wt/Vol				
		1. Waste No.				
X a. WASTE FLAMMABLE LIQUID NOS UN1993 (D001)		2 DM		17 G D001		
RQ b. WASTE PAINT RELATED MATERIAL FLAMMABLE LIQUID NA1263 (D001)		4 DM		76 G U220 D001		
X c. WASTE FLAMMABLE LIQUID NOS UN1993 (D001)		2 DM		28 G D001		
X d. WASTE OIL NOS FLAMMABLE LIQUID NA1270 (D001)		8 DM		210 G D001		
J. Additional Descriptions for Materials Listed Above A. 2005 IGNITABLE CLIN 2305 AA, AB B. PAINT CLIN 4732 AA, AD, AC, AD C. ETHYLENE GLYCOL CLIN 2121 AA, AB D. OIL CLIN 3530 AA, AB, 3514 AA, AB, AC, 3910 AA		K. Handling Codes for Wastes Listed Above				
15. Special Handling Instructions and Additional Information FPE Re Manifestation No. 00390717						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name DEMO BUILDING		Signature [Signature]		Month Day Year 04/14/88		
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name [Signature]		Signature [Signature]		
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name		Signature		Month Day Year		

WATER COMMISSION
Box 13087, Capitol Station
Austin, Texas 78711-3087



DLA 200 88 D007
DO. 11

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Form approved. OMB No. 2050 0039, expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address INDUSTRIAL WASTE ENGINEERING 225 W. POTTERY LAKE ELSONORE CA		CAD 981465503		A. State Manifest Document Number No 00390717		
4. Generator's Phone (714) 6740777 92330		6. US EPA ID Number		B. State Generator's ID		
5. Transporter 1 Company Name INDUSTRIAL WASTE ENG. KAD 981465503		7. Transporter 2 Company Name		C. State Transporter's ID		
8. US EPA ID Number		9. Designated Facility Name and Site Address ROLLINS ENVIRONMENTAL 20207 BATTLEGROUND RD DEER PARK TX TX D 055141378		D. Transporter's Phone		
10. US EPA ID Number		11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		E. State Transporter's ID		
12. Containers No. Type		13. Total Quantity		F. Transporter's Phone		
14. Unit Wt/Vol		15. Waste No.		G. State Facility's ID		
16. Additional Descriptions for Materials Listed Above OIL PAINTS SOLVENTS Waste Stream Resulted from Consolidation of Manifest # 00390710		17. Handling Codes for Wastes Listed Above P		H. Facility's Phone 713 979-6001		
18. Special Handling Instructions and Additional Information						
19. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name KEN BARNETT		Signature [Signature]		Month Day Year 04/15/88		
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name KEN BARNETT		Signature [Signature]		Month Day Year 04/15/88
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name		Signature		Month Day Year		

Manifest Number

00390717

Restricted Waste Notification

This notification is provided in accordance with 40 CFR 268.7(a)(1). The above numbered manifest includes the following restricted waste(s);
The applicable treatment standards for these restricted wastes are highlighted below:

Solvent Treatment Standards Constituents of F001-F005 Spent Solvent Wastes	Extract Concentrations (mg/l)	
	Wastewater	Other
Acetone	0.05	0.59
n-Butyl Alcohol	5.00	5.00
Carbon disulfide	1.05	4.81
Carbon Tetrachloride	0.05	0.96
Chlorobenzene	0.15	0.05
Cresols (cresylic acid)	2.82	0.75
Cyclohexanone	0.125	0.75
1,2-Dichlorobenzene	0.65	0.125
Ethyl Acetate	0.05	0.75
Ethylbenzene	0.05	0.053
Ethyl ether	0.05	0.75
Isobutanol	5.00	5.00
Methanol	0.25	0.75
Methylene chloride	0.20	0.96
Methyl ethyl ketone	0.05	0.75
Methyl isobutyl ketone	0.05	0.33
Nitrobenzene	0.66	0.125
Pyridine	1.12	0.33
Tetrachloroethylene	0.079	0.05
Toluene	1.12	0.33
1,1,1-Trichloroethane	1.05	0.41
1,1,2-Trichloro-1,2,2-trifluoroethane	1.05	0.96
Trichloroethylene	0.062	0.091
Trichlorofluoromethane	0.05	0.96
Xylene	0.05	0.15

Printed/Typed Name

Signature

Date

Instructions:

1. Fill in applicable manifest number.
2. Fill in applicable EPA Hazardous Waste Number.
3. Highlight applicable treatment standard from table above.
4. Attach supportive waste analysis data if available.
5. Sign and date form.
6. Retain a completed copy to file with manifest.

Attachment 9

Hazardous Waste Analysis Standard Operating Procedures - 5 pages.

Waste Analysis Standard Operating Procedures

The purpose of waste analysis is to verify that a generator's identification of hazardous waste is correct.

CLASSIFICATION OF HAZARDOUS WASTES

Hazardous wastes are divided into Group I and Group II wastes.

1) Group I wastes are those wastes for which no laboratory analysis is required. This includes wastes in unopened, original manufacturer's containers, plus paints and reagent grade chemicals in previously opened, original containers. If inspection determines that all containers have their original labels and have not been opened, the shipment will be accepted as Group I wastes. If the shipment is paint and reagent grade chemicals in opened containers, each container will be inspected to ensure that there are no separated phases or settled solids in the paint, or that other wastes have been mixed in. If not, these items will also be considered Group I wastes.

2) Group II wastes are those hazardous wastes which are not included in Group I. Examples are used solvents with EPA designated hazardous waste numbers FO____, listed in 40 CFR 261.31, e.g., used trichloroethylene F002.

SAMPLING

FREQUENCY

1) For off-site turn-in activities transferring property to DRMO once or more per month, sampling will be performed once per month.

2) For off-site turn-in activities transferring property to the DRMO less than once per month, sampling will be performed at each turn-in.

NUMBER OF SAMPLES

1) Initially, schedule A of enclosure 1 shall be used to determine the number of samples. If the analysis of these samples agrees with the generator's identification for three consecutive samplings, then sampling can be conducted in accordance with schedule B of enclosure 1. Schedule B can continue to be used until test analysis results for a shipment do not verify the generator's identification. If such a discrepancy is found, schedule A will be used again until three consecutive samplings occur without disagreement between test results and the generator's identification.

COR'S DUTIES

- 1) Requesting sampling services: The DRMO (COR) sends a work order request for sampling and testing to the contracting officer. This request identifies the following information:
 - a) Contract number (of the sampling requirements contracts).
 - b) Point of contact and telephone number.
 - c) Contract line item number.
 - d) Location of containers/drums (as shown in contract).
 - e) Number of samples per location.
 - f) Other pertinent comments.
- 2) Selecting the items to be sampled:
 - a) A shipment is all Group II hazardous wastes (drums) received from a generator in one day.
 - b) Once the number of samples to be taken from a shipment has been determined, the COR shall select the items to be tested by any method he chooses.
- 3) The COR escorts the contractor while samples are being taken.

IDENTIFICATION OF SHIPMENTS AND SAMPLES

Marking requirements: in order to identify shipments and samples, the DTID number and a container number will be used. The DRMO shall stencil, or otherwise permanently mark, the DTID number on each container in a shipment. In addition, each container will be marked with a unique number as follows: 1 of x, 2 of x, 3 of x, and so on, where "x" is the total number of containers in a shipment.

PROCESSING THE TEST RESULTS

The DRMO will compare results from sample analyses to the generator's identification of the hazardous waste.

- a) If the results for all items tested agree with the generator's identification, continue processing of the shipment.
- b) If results for any item tested disagree with the generator's identification, the shipment will be rejected, except for those items whose identity was verified as correct. In addition to the rejection standard procedures, the commander of the turn-in activity will be notified by letter of the actions needed to correct the situation.

Date:
Revision No.:
Section C
DRMO _____

Table C-4

Number of Samples to be Collected as
a Function of the Number of Items
in the Shipment

Schedule A

<u>Shipment Size</u>	<u>Number of Samples to be Taken</u>
2 to 8	2
9 to 15	3
16 to 25	5
26 to 50	8
51 to 90	13
91 to 150	20

Schedule B

<u>Shipment Size</u>	<u>Number of Samples to be Taken</u>
2 to 8	1
9 to 15	2
16 to 25	2
26 to 50	3
51 to 90	5
91 to 150	8

Encl 3 PAGE 3
SUBJECT: Waste Analysis Standard Operating Procedures

RECORDKEEPING

Analytical results shall be maintained in the waste analysis record section of the operating log. Enclosure 2 identifies entries in the waste analysis log.

ITEMS TO BE INCLUDED IN WASTE ANALYSIS RECORD FORM

1. Shipment number (a serial number).
2. DTID numbers of a shipment; there can be more than one per shipment.
3. Drum number of items samples.
4. Total number of drums in shipment.
5. Date items sampled.
6. Date results received.
7. Contents of shipment confirmed.
8. Contract number.

Attachment 10

VAFB New Management Policy for Unknown Wastes - 1 page.

NEW 1711

FUNC ADDRESS SYMBOL	LAS A D
CINC/CC	
VCINC/CV	
CS	
CSA	
AC	
CG	
CK	
DA	
DE	
DO	
DP	
HC	
HO	
IG	
IN	
JA	
LG	
NR	
PA	
SC	
SG	
SP	
XO	
XP	

BT

2 FEB 1989

New Management Policy for Unknown Wastes

Distribution K, F & H

1. Recent correspondence with US Environmental Protection Agency (EPA) has given us new direction for managing unknown wastes. Therefore, we are immediately implementing their procedures.

2. Containers of unknown wastes should be labeled immediately upon receipt at an accumulation area with the date of receipt and with the words Hazardous Waste. Should analytical results prove the contents of any or all of the containers to be nonhazardous, the hazardous waste label(s) can easily be removed. 40CFR 262.34(a)(2) and 262.34(c)(1)(ii)

3. Attached is an example of the hazardous waste label which will be used. When filling out the label, follow these instructions:

a. For the proper D.O.T. shipping name, write "Awaiting Analysis."

b. UN or NA# is not used.

c. For Generator information: Name will be "Vandenberg AFB (805) 866-9961." Address: Fill in the building number of the Collection/Accumulation Point. City: "Vandenberg AFB"; State: "CA"; Zip: "93437-5000."

d. EPA ID No: Fill in Vandenberg's EPA Number.

e. EPA Waste No. is not used.

f. Accumulation start date must be filled in with the date received.

g. Manifest No. is not used.

h. When the analysis results are received, if the waste is not hazardous, contact 1 STRAD/ETC at 6-5725 for disposition. If the results show the waste to be hazardous, follow normal management procedures.

4. Vandenberg's hazardous waste management plan is being updated to reflect this change. If you have any questions, contact SMSgt Kuhn at 6-5724.

Original signed by

ORVILLE G. ROBERTSON, Colonel, USAF
Director, Environmental Management

1 Atch
Label

1711

ATTACHMENT #1

RETURN TO:	FUNC ADDRESS SYM	ORIGINATOR'S NAME AND GRADE	PHONE NO	TYPIST'S INITIALS	DATE TYPED

Attachment 11

EPA letter to VAFB clarifying requirements - 3 pages.

CERTIFIED MAIL NO. P454092144
RETURN RECEIPT REQUESTED

In Reply: T-2-4
Refer to: CA9570025149

10 JAN 1989

Colonel Orville G. Robertson
Director, Environmental Management
Department of the Air Force
1st Strategic Aerospace Division (SAC)
Vandenberg Air Force Base, CA 93437-5000

Dear Colonel Robertson:

Thank you for your letter of July 11, 1988, in response to EPA's letter of June 23, 1988, and the enclosed inspection report of May 26, 1988. You took issue with certain of the potential violations cited in that report and these issues require clarification.

1. Accumulation Time

40 CFR §262.34(a)(2) and §262.34(c)(1)(ii): Containers of unknown wastes in accumulation areas are not marked with accumulation start dates nor with the words "Hazardous Waste."

To assure the safety of hazardous waste management personnel, containers of unknown wastes should be labeled immediately upon receipt at an accumulation area with the date of receipt and with the words "Hazardous Waste." Should analytical results prove the contents of any or all of the containers to be nonhazardous, the hazardous waste label(s) can easily be removed.

2. Operation During Interim Status (40 CFR §270.71):

Until the hazardous waste storage facility permit issued by the California Department of Health Services (DHS) subsequent to the passage of the Hazardous and Solid Waste Amendments (HSWA) of 1984 has been amended to incorporate the requirements of HSWA, the permit is not RCRA-equivalent. As a result, Vandenberg Air Force Base must continue to operate and to be inspected by EPA under the requirements of 40 C.F.R. §265, Interim Status Standards for Owners and Operators of Hazardous Waste Treatment Storage and Disposal Facilities, as well as under the terms of its State permit by DHS.

CONCURRENCES

SY:	T-2-4	T-2-4	T-2-4				
SURNAME	J. J. Baskie	J. J. Baskie	J. J. Baskie				
DATE	1/5/89	1/5/89	1/9/89				

3. 40 CFR §270.71(a)(1)(2): The facility has stored wastes not listed on its Part A application, and the facility has conducted treatment not listed on its Part A application as noted below:

- Attachment 3 from the 5/26/83 inspection report was part of the facility's 1987 inspection report, and is a more current and accurate description of the wastes generated and stored at the facility than the wastes cited in the Part A.
- The Type IV inhibited red fuming nitric acid (IRFNA) is presumably both a D002 (corrosive) and a D003 (reactive) waste. Since it is currently stored in above-ground tanks, it must be listed on the Part A.

In your reply to this letter, please address the following questions regarding the proposed treatment of the Type IV IRFNA:

- What is the purpose of the conversion of the Type IV IRFNA to solid calcium fluoride?
- What are the end products? Identify them.
- Is the end product a waste? If so, what makes it a waste?
- Is the treatment of the 9900 pounds of Type IV IRFNA a one-time or an on-going process?
- For how long will the product/waste be stored?

- If the industrial wastewater treatment plant (IWTP) has an NPDES permit from its Regional Water Quality Control Board and if the IWTP includes no land disposal units, it is not RCRA-regulated. From the photograph in the inspection report, the IWTP appears to have no land disposal units. In your response to this letter, please verify this as well as the status of the facility's RWQCB permit.

4. Changes During Interim Status

40 CFR §270.72(a) and (c): The facility has not submitted a revised Part A permit application for storage of wastes not previously identified.

As previously explained, your facility remains subject to the interim status requirements of 40 CFR §265 and, therefore, the facility's Part A permit application must be revised to reflect accurately the hazardous wastes currently generated and stored at your facility. This would include any freon or solvents stored at your facility, but does not include the freon or the solvents recycled through the respective stills.

Pursuant to EPA's Federal Facilities Compliance Strategy and Executive Order 12088, Federal Compliance with Pollution Control Standards, this letter serves as notification of our finding of violations.

You are requested to submit a response documenting all the actions taken to correct the violations cited above. In addition to the information requested regarding the IWTB and the treatment of the Type IV IRFA, please include the revised Part A permit application and photographs of properly dated and labeled containers.

Your response must be by letter addressed to Elaine Schimmel, U. S. EPA, Attention: T-2-4, 215 Fremont Street, San Francisco, California, 94105, and submitted to EPA within thirty (30) days or receipt of this letter. Where compliance cannot be achieved in thirty (30) days, submit a schedule for actions planned to bring your facility into compliance with RCRA.

Failure to provide the information requested may result in issuance of a Notice of Noncompliance, consistent with Executive Order 12088.

If you have any questions regarding these issues, please call Elaine Schimmel California Enforcement Section, at (415) 974-7963.

Sincerely,

Karen Schwinn
Chief
Waste Compliance Branch

cc: David Chase, DHS-LA

bc: Carl Roner, Jacobs Engineering
Laura Fujii, E-3
Jane Diamond, T-2-6
Gary Lance, T-2-4
Elaine Schimmel, T-2-4

ES:es - 01/05/88 - T-2-4

Attachment 12

List of 16 drums stored over 90 days at the vehicle maintenance CAP - 1
page.

SERIAL #	START DATE	60 DAY DATE	CAPS RECEIVE DATE	90 DAY DATE	NONCLEMATI
508	10 JULY	8 SEP 90	4 SEP 90	8 OCT 90	DIESEL F.
509	10 JULY	8 SEP 90	4 SEP 90	8 OCT 90	OIL FILTI
490	10 JULY	8 SEP 90	20JULY90	8 OCT 90	PAINT CAI
496	11 JULY	9 SEP 90	27JULY90	9 OCT 90	DRY SWEEP
506	12 JULY	10SEP 90	4 SEP 90	10OCT 90	FLAMMABLE
507	12 JULY	10SEP 90	4 SEP 90	10OCT 90	COMBUST E
510	12 JULY	10SEP 90	4 SEP 90	10OCT 90	BRAKE FLL
511	12 JULY	10SEP 90	4 SEP 90	10OCT 90	BRAKE FLL
***	12 JULY	10SEP 90	12JULY90	10OCT 90	PENETRATI
499	14 JULY	12SEP 90	7 AUG 90	12OCT 90	DRY SWEEP
517	18 JULY	16SEP 90	14SEP 90	16OCT 90	PAINT REL
512	18 JULY	16SEP 90	4 SEP 90	16OCT 90	ANTIFREEZ
497	20 JULY	18SEP 90	28JULY90	18OCT 90	PAINT CAN
491	21 JULY	19SEP 90	21JULY90	19OCT 90	PAINT REL
491	21 JULY	19SEP 90	21JULY90	19OCT 90	PAINT REL
492	23 JULY	21SEP 90	23JULY 90	21OCT 90	WASTE OIL
492	23 JULY	21SEP 90	23JULY 90	21OCT 90	WASTE OIL
492	23 JULY	21SEP 90	23JULY 90	21OCT 90	WASTE OIL
492	23 JULY	21SEP 90	23JULY 90	21OCT 90	WASTE OIL
492	23 JULY	21SEP 90	23JULY 90	21OCT 90	WASTE OIL
492	23 JULY	21SEP 90	23JULY 90	21OCT 90	WASTE OIL
493	23 JULY	21SEP 90	23JULY 90	21OCT 90	HYD OIL RE
493	23 JULY	21SEP 90	23JULY 90	21OCT 90	HYD OIL RE
518	27 JULY	25SEP 90	21 SEP 90	25OCT 90	ANTIFREEZE

INCLEMENTURE	EPA WASTE#	UN/NA #	SHOP	REMARKS
DIESEL F/FILTERS	D001	9189	CAPS	VM333
IL FILTERS	C223	9189	CAPS	VM334
PAINT CANS	D001,F003	1263	CAPS	VM335
RY SWEEP	C223	9189	CAPS	VM337
FLAMMABLE BONDO	D001,C272	1325	CAPS	VM339
COMBUST BONDO	D001,C272	9189	CAPS	VM340
RAKE FLUID	C343	9189	CAPS	VM342 Hazardous waste, liquid N.O.S ORNE
RAKE FLUID CANS	C343	9189	CAPS	VM343
INTEGRATING SEALER	*** AWAITING ANAL***			VM344
RY SWEEP	C223	9189	CAPS	VM346
PAINT REL. MAT	D001,F003	1263	CAPS	VM350
WAX FREEZE	C343	9189	CAPS	VM351
PAINT CANS	D001,F003	1263	CAPS	VM354
PAINT REL MAT	C211,F002/3	1760	CAPS	VM355
PAINT REL MAT	C221,F002/3	1760	CAPS	VM356
STE OIL RESIDUE	C512	9189	CAPS	VM359
STE OIL RESIDUE	C512	9189	CAPS	VM360
STE OIL RESIDUE	C512	9189	CAPS	VM361
STE OIL RESIDUE	C512	9189	CAPS	VM362
STE OIL RESIDUE	C512	9189	CAPS	VM363
STE OIL RESIDUE	C512	9189	CAPS	VM364
STE OIL RESIDUE	C512	9189	CAPS	VM365
STE OIL RESIDUE	C512	9189	CAPS	VM366
WAX FREEZE	C343	9189	CAPS	VM368